

4080	C	290	2	33	VAC MACH	C-530	V	SUB GAS SUCTION HEADER BLOCKING VALVE	IN/OUT	SG	16.00	GV	N	N/A
4081	C	289	2	33	VAC MACH	C-530	V	SUB GAS BYPASS VALVE	IN/OUT	SG	16.00	GV	N	N/A
4082	A	495	2	33	VAC MACH	C-530	V	SUB GAS DISCHARGE CHECK VALVE	IN/OUT	SG	16.00	G	N	A
4083	C	293	2	33	VAC MACH	C-530	V	SUB GAS DISCHARGE HEADER BLOCKING VALVE	IN/OUT	SG	16.00	G	N	A
4084	A	496	2	33	VAC MACH	C-530	V	SUB GAS DISCHARGE CLEANOUT VALVE	IN/OUT	SG	16.00	G	N	A
4085	C	292	2	33	VAC MACH	C-530	V	SUB GAS DISCHARGE BLOCKING VALVE	IN/OUT	SG	16.00	G	N	A
4086	C	287	2	33	VAC MACH	C-530	V	SUB GAS DISCHARGE HEADER CLEANOUT	IN/OUT	SG	16.00	G	N	A
4087	C	288	2	33	VAC MACH	C-530	V	SUB GAS DISCHARGE HEADER CLEANOUT	IN/OUT	SG	16.00	G	N	A
4090	C	291	2	33	VAC MACH	C-530	VT	RELIEF VALVE	IN/OUT	SG	16.00	G	N	A

TABLE 34
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
VACUUM MACHINE C-533

0341 STEAM EDUCATOR SYSTEM														
4100	A	229	2	34	VAC MACH	C-533	V	STEAM INJECTOR LINE VALVE	STEAM	SG	16.00	GV	Y	N/A
4101	C	317	2	34	VAC MACH	C-533	V	STEAM EDUCATOR LINE VALVE	STEAM	SG	16.00	GV	Y	N/A
4102	C	318	2	34	VAC MACH	C-533	V	SEAL GAS RECYCLE LINE DRAIN	STEAM	SG	16.00	G	Y	Q
4103	C	319	2	34	VAC MACH	C-533	V	SEAL GAS RECYCLE LINE	STEAM	SG	16.00	G	Y	Q
4104	C	316	2	34	VAC MACH	C-533	V	STEAM EDUCATOR LINE VALVE	STEAM	SG	16.00	GV	Y	N/A
4105	A	231	2	34	VAC MACH	C-533	G	STEAM INJECTOR LINE GAUGE	STEAM	SG	16.00	GV	Y	N/A
4106	A	232	2	34	VAC MACH	C-533	V	STEAM INJECTOR PRESSURE TAP	STEAM	SG	16.00	GV	Y	N/A
4107	A	233	2	34	VAC MACH	C-533	V	STEAM INJECTOR LINE VALVE	STEAM	SG	16.00	GV	Y	N/A
4108	A	234	2	34	VAC MACH	C-533	G	STEAM INJECTOR LINE GAUGE	STEAM	SG	16.00	GV	Y	N/A
4109	A	235	2	34	VAC MACH	C-533	G	STEAM INJECTOR LINE GAUGE	STEAM	SG	16.00	GV	Y	N/A
4110	A	236	2	34	VAC MACH	C-533	V	STEAM INJECTOR PRESSURE TAP	STEAM	SG	16.00	GV	Y	N/A
4111			2	34	VAC MACH	C-533	V	STEAM EDUCATOR LINE VALVE	STEAM	SG	16.00	GV	N	N/A
0342 SEAL OIL RETURN SYSTEM														
4120	C	307	2	34	VAC MACH	C-533	V	SEAL OIL RETURN	SEAL OIL	SG	16.00	G	Y	Q
4121	C	308	2	34	VAC MACH	C-533	SG	SEAL OIL RETURN SIGHT GLASS	SEAL OIL	SG	16.00	G	Y	Q
4122	C	309	2	34	VAC MACH	C-533	V	SEAL OIL RETURN	SEAL OIL	SG	16.00	G	Y	Q
4123	C	310	2	34	VAC MACH	C-533	SG	SEAL OIL RETURN SIGHT GLASS	SEAL OIL	SG	16.00	G	Y	Q
4124	C	311	2	34	VAC MACH	C-533	V	SEAL OIL RETURN	SEAL OIL	SG	16.00	G	Y	Q
4125	C	312	2	34	VAC MACH	C-533	SG	SEAL OIL RETURN SIGHT GLASS	SEAL OIL	SG	16.00	G	Y	Q
4126	A	237	2	34	VAC MACH	C-533	V	SEAL OIL RETURN CLEANOUT VALVE	SEAL OIL	SG	16.00	G	Y	Q
4127	C	313	2	34	VAC MACH	C-533	SG	SEAL OIL RETURN SIGHT GLASS	SEAL OIL	SG	16.00	G	Y	Q
0343 RECYCLE SYSTEM														
4132	C	320	2	34	VAC MACH	C-533	V	EXHAUST SEAL GAS RECYCLE LINE	RECYCLE	SG	16.00	G	Y	Q
4133	C	323	2	34	VAC MACH	C-533	V	EXHAUST SEAL GAS RECYCLE LINE	RECYCLE	SG	16.00	G	Y	Q
0344 SAFETY AND CLEANOUT SYSTEM														
4140	C	305	2	34	VAC MACH	C-533	V	FIRST STAGE INLET CLEANOUT	SEAL OIL	SG	16.00	GV	Y	N/A
4141	C	306	2	34	VAC MACH	C-533	V	FIRST STAGE SAFETY WATER	SEAL OIL	SG	16.00	GV	Y	N/A
4142	C	288	2	34	VAC MACH	C-533	V	SECOND STAGE SAFETY WATER	SEAL OIL	SG	16.00	G	Y	Q
4143	C	299	2	34	VAC MACH	C-533	V	FIRST/SECOND STAGE CROSSOVER CLEANOUT	SEAL OIL	SG	16.00	G	Y	Q
4175	C	300	2	34	VAC MACH	C-533	V	FIRST/SECOND STAGE CROSSOVER CLEANOUT	SEAL OIL	SG	16.00	G	N	A
0345 SEAL OIL INLET SYSTEM														
4150	C	296	2	34	VAC MACH	C-533	G	SEAL OIL INLET GAUGE	SEAL OIL	SG	16.00	G	Y	Q
4151	C	295	2	34	VAC MACH	C-533	V	SEAL OIL INLET PRESSURE TAP	SEAL OIL	SG	16.00	G	Y	Q
4152	C	294	2	34	VAC MACH	C-533	V	SEAL OIL INLET VALVE	SEAL OIL	SG	16.00	G	Y	Q
4153	C	322	2	34	VAC MACH	C-533	V	SEAL OIL INLET VALVE	SEAL OIL	SG	16.00	G	Y	Q
4154	C	321	2	34	VAC MACH	C-533	V	SEAL OIL INLET VALVE	SEAL OIL	SG	16.00	G	Y	Q
4155	A	227	2	34	VAC MACH	C-533	G	SEAL OIL INLET LINE GAUGE	SEAL OIL	SG	16.00	G	Y	Q
4156	A	226	2	34	VAC MACH	C-533	V	SEAL OIL INLET PRESSURE TAP	SEAL OIL	SG	16.00	G	Y	Q
4157	A	228	2	34	VAC MACH	C-533	V	SEAL OIL INLET VALVE	SEAL OIL	SG	16.00	G	Y	Q
0346 INJECTION WATER SYSTEM														
4170			2	34	VAC MACH	C-533	V	INJECTION WATER FIRST STAGE	INJECTION WAT	SG	16.00	G	Y	Q
4171			2	34	VAC MACH	C-533	V	INJECTION WATER FIRST STAGE	INJECTION WAT	SG	16.00	G	Y	Q
4172	C	304	2	34	VAC MACH	C-533	V	INJECTION WATER FIRST STAGE	INJECTION WAT	SG	16.00	G	Y	Q
4173	C	303	2	34	VAC MACH	C-533	V	INJECTION WATER FIRST STAGE	INJECTION WAT	SG	16.00	G	Y	Q
4174	C	302	2	34	VAC MACH	C-533	V	INJECTION WATER SECOND STAGE	INJECTION WAT	SG	16.00	G	Y	Q
4176	C	297	2	34	VAC MACH	C-533	V	INJECTION WATER SECOND STAGE	INJECTION WAT	SG	16.00	G	Y	Q
4177	C	225	2	34	VAC MACH	C-533	V	INJECTION WATER SECOND STAGE	INJECTION WAT	SG	16.00	G	Y	Q
4178	C	301	2	34	VAC MACH	C-533	V	INJECTION WATER SECOND STAGE	INJECTION WAT	SG	16.00	G	Y	Q
0347 HEADER SYSTEM														
4180	C	326	2	34	VAC MACH	C-533	V	SUB GAS SUCTION HEADER BLOCKING VALVE	IN/OUT	SG	15.00	GV	N	N/A

4181	C	330	2	34	VAC MACH	C-533	V	SUB GAS BYPASS VALVE	IN/OUT	SG	16.00	CV	N	N/A
4182	A	238	2	34	VAC MACH	C-533	V	SUB GAS DISCHARGE CHECK VALVE	IN/OUT	SG	16.00	G	N	A
4183	C	327	2	34	VAC MACH	C-533	V	SUB GAS DISCHARGE HEADER BLOCKING VALVE	IN/OUT	SG	16.00	G	N	A
4184	A	239	2	34	VAC MACH	C-533	V	SUB GAS DISCHARGE CLEANOUT VALVE	IN/OUT	SG	16.00	G	N	A
4185	C	326	2	34	VAC MACH	C-533	V	SUB GAS DISCHARGE BLOCKING VALVE	IN/OUT	SG	16.00	G	N	A
4186	C	325	2	34	VAC MACH	C-533	V	SUB GAS DISCHARGE HEADER CLEANOUT	IN/OUT	SG	16.00	G	N	A
4187	C	324	2	34	VAC MACH	C-533	V	SUB GAS DISCHARGE HEADER CLEANOUT	IN/OUT	SG	16.00	G	N	A
4190	C	329	2	34	VAC MACH	C-533	VT	RELIEF VALVE	IN/OUT	SG	16.00	G	N	A

TABLE 35
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
VACUUM MACHINE C-536

0351 STEAM EDUCATOR SYSTEM														
4200	A	301	2	35	VAC MACH	C-536	V	STEAM EDUCATOR LINE VALVE	STEAM	SG	16.00	GV	Y	N/A
4201	A	303	2	35	VAC MACH	C-536	V	STEAM EDUCATOR LINE VALVE	STEAM	SG	16.00	GV	Y	N/A
4202	A	300	2	35	VAC MACH	C-536	V	STEAM EDUCATOR LINE VALVE	STEAM	SG	16.00	GV	Y	N/A
4203	A	299	2	35	VAC MACH	C-536	V	STEAM EDUCATOR LINE VALVE	STEAM	SG	16.00	GV	Y	N/A
4204	A	304	2	35	VAC MACH	C-536	V	STEAM EDUCATOR LINE VALVE	STEAM	SG	16.00	GV	N	N/A
4205	A	307	2	35	VAC MACH	C-536	V	STEAM EDUCATOR LINE PRESSURE TAP	STEAM	SG	16.00	GV	Y	N/A
4206	A	308	2	35	VAC MACH	C-536	G	STEAM EDUCATOR LINE GAUGE	STEAM	SG	16.00	GV	Y	N/A
4207	A	305	2	35	VAC MACH	C-536	V	STEAM EDUCATOR LINE PRESSURE TAP	STEAM	SG	16.00	GV	Y	N/A
4208	A	306	2	35	VAC MACH	C-536	G	STEAM EDUCATOR LINE GAUGE	STEAM	SG	16.00	GV	Y	N/A
0352 SEAL OIL RETURN SYSTEM														
4220	A	292	2	35	VAC MACH	C-536	V	SEAL OIL RETURN CLEANOUT VALVE	SEAL OIL	SG	16.00	G	Y	Q
4221	A	293	2	35	VAC MACH	C-536	SG	SEAL OIL RETURN SIGHT GLASS	SEAL OIL	SG	16.00	G	Y	Q
4222	A	294	2	35	VAC MACH	C-536	V	SEAL OIL RETURN CLEANOUT VALVE	SEAL OIL	SG	16.00	G	Y	Q
4223	A	295	2	35	VAC MACH	C-536	SG	SEAL OIL RETURN SIGHT GLASS	SEAL OIL	SG	16.00	G	Y	Q
4224	A	296	2	35	VAC MACH	C-536	V	SEAL OIL RETURN CLEANOUT VALVE	SEAL OIL	SG	16.00	G	Y	Q
4225	A	297	2	35	VAC MACH	C-536	SG	SEAL OIL RETURN SIGHT GLASS	SEAL OIL	SG	16.00	G	Y	Q
4226	A	298	2	35	VAC MACH	C-536	SG	SEAL OIL RETURN SIGHT GLASS	SEAL OIL	SG	16.00	G	Y	Q
0353 RECYCLE SYSTEM														
4230	A	309	2	35	VAC MACH	C-536	V	EXHAUST SEAL GAS RECYCLE DRAIN VALVE	RECYCLE	SG	16.00	G	Y	Q
4231	A	310	2	35	VAC MACH	C-536	V	EXHAUST SEAL GAS RECYCLE LINE VALVE	RECYCLE	SG	16.00	G	Y	Q
4232	A	311	2	35	VAC MACH	C-536	V	EXHAUST SEAL GAS RECYCLE LINE VALVE	RECYCLE	SG	16.00	G	Y	Q
4233	A	312	2	35	VAC MACH	C-536	V	EXHAUST SEAL GAS RECYCLE LINE VALVE	RECYCLE	SG	16.00	G	Y	Q
0354 SAFETY AND CLEANOUT SYSTEM														
4240	A	290	2	35	VAC MACH	C-536	V	FIRST STAGE INLET CLEANOUT	INJECTION WAT	SG	16.00	GV	Y	N/A
4241	A	291	2	35	VAC MACH	C-536	V	FIRST STAGE SAFETY WATER	INJECTION WAT	SG	16.00	GV	Y	N/A
4242	A	289	2	35	VAC MACH	C-536	V	SECOND STAGE SAFETY WATER	INJECTION WAT	SG	16.00	GV	Y	N/A
0355 SEAL OIL INLET SYSTEM														
4250	A	313	2	35	VAC MACH	C-536	G	SEAL OIL INLET GAUGE	SEAL OIL	SG	16.00	G	Y	Q
4251	A	315	2	35	VAC MACH	C-536	V	SEAL OIL INLET INSTRUMENTATION VALVE	SEAL OIL	SG	16.00	G	Y	Q
4252	A	314	2	35	VAC MACH	C-536	V	SEAL OIL INLET PRESSURE TAP	SEAL OIL	SG	16.00	G	Y	Q
4253	A	316	2	35	VAC MACH	C-536	V	SEAL OIL INLET VALVE	SEAL OIL	SG	16.00	G	Y	Q
4254	A	317	2	35	VAC MACH	C-536	V	SEAL OIL INLET VALVE	SEAL OIL	SG	16.00	G	Y	Q
4255	A	318	2	35	VAC MACH	C-536	V	SEAL OIL INLET PRESSURE TAP	SEAL OIL	SG	16.00	G	Y	Q
4256	A	319	2	35	VAC MACH	C-536	G	SEAL OIL INLET GAUGE	SEAL OIL	SG	16.00	G	Y	Q
0356 INJECTION WATER SYSTEM														
4270			2	35	VAC MACH	C-536	V	INJECTION WATER VALVE	INJECTION WAT	SG	16.00	G	Y	Q
4271			2	35	VAC MACH	C-536	V	INJECTION WATER VALVE	INJECTION WAT	SG	16.00	G	Y	Q
4272	A	326	2	35	VAC MACH	C-536	V	INJECTION WATER FIRST STAGE	INJECTION WAT	SG	16.00	G	Y	Q
4273	A	323	2	35	VAC MACH	C-536	V	INJECTION WATER FIRST STAGE	INJECTION WAT	SG	16.00	G	Y	Q
4274	A	322	2	35	VAC MACH	C-536	V	INJECTION WATER SECOND STAGE	INJECTION WAT	SG	16.00	G	Y	Q
4275	A	320	2	35	VAC MACH	C-536	V	INJECTION WATER SECOND STAGE	INJECTION WAT	SG	16.00	G	Y	Q
4276	A	321	2	35	VAC MACH	C-536	V	INJECTION WATER SECOND STAGE	INJECTION WAT	SG	16.00	G	Y	Q
4277	A	324	2	35	VAC MACH	C-536	V	INJECTION WATER SECOND STAGE	INJECTION WAT	SG	16.00	G	Y	Q
0357 HEADER SYSTEM														
4280	A	328	2	35	VAC MACH	C-536	V	SUB GAS SUCTION HEADER BLOCKING VALVE	IN/OUT	SG	16.00	GV	N	N/A
4281	A	327	2	35	VAC MACH	C-536	V	SUB GAS BYPASS VALVE	IN/OUT	SG	16.00	GV	N	N/A
4282	A	287	2	35	VAC MACH	C-536	V	SUB GAS DISCHARGE CHECK VALVE	IN/OUT	SG	16.00	G	N	A
4283	A	331	2	35	VAC MACH	C-536	V	SUB GAS DISCHARGE HEADER BLOCKING VALVE	IN/OUT	SG	16.00	G	N	A
4284	A	288	2	35	VAC MACH	C-536	V	SUB GAS DISCHARGE CLEANOUT VALVE	IN/OUT	SG	16.00	G	N	A
4285	A	330	2	35	VAC MACH	C-536	V	SUB GAS DISCHARGE BLOCKING VALVE	IN/OUT	SG	16.00	G	N	A

4288	A	325	2	35	VAC MACH	C-536	V	SECOND STAGE TOP NOISE SUPPRESSOR INST.	IN/OUT	SG	15.00	G	N	A
4290	A	329	2	35	VAC MACH	C-536	VT	RELIEF VALVE	IN/OUT	SG	15.00	G	N	A

TABLE 36
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
VACUUM MACHINE C-539

0361 STEAM INDUCTOR SYSTEM														
4300	A	255	2	36	VAC MACH	C-539	V	STEAM INDUCTOR LINE VALVE	STEAM	SG	16.00	GV	Y	N/A
4301	A	253	2	36	VAC MACH	C-539	V	STEAM INDUCTOR LINE VALVE	STEAM	SG	16.00	GV	Y	N/A
4302	A	254	2	36	VAC MACH	C-539	V	STEAM INDUCTOR LINE VALVE	STEAM	SG	16.00	GV	Y	N/A
4303	A	255	2	36	VAC MACH	C-539	V	STEAM INDUCTOR LINE PRESSURE TAP	STEAM	SG	16.00	GV	Y	N/A
4304	A	259	2	36	VAC MACH	C-539	G	STEAM INDUCTOR LINE GAUGE	STEAM	SG	16.00	GV	Y	N/A
4305	A	260	2	36	VAC MACH	C-539	V	STEAM INDUCTOR LINE VALVE	STEAM	SG	16.00	GV	Y	N/A
4306	A	261	2	36	VAC MACH	C-539	G	STEAM INDUCTOR LINE GAUGE	STEAM	SG	16.00	GV	Y	N/A
4307	A	262	2	36	VAC MACH	C-539	V	STEAM INDUCTOR LINE PRESSURE TAP	STEAM	SG	16.00	GV	Y	N/A
4308	A	258	2	36	VAC MACH	C-539	V	STEAM INDUCTOR LINE VALVE	STEAM	SG	16.00	GV	Y	N/A
4309	A	257	2	36	VAC MACH	C-539	V	STEAM INDUCTOR LINE VALVE	STEAM	SG	16.00	GV	Y	N/A
0362 SEAL OIL RETURN SYSTEM														
4320	C	333	2	36	VAC MACH	C-539	V	SEAL OIL RETURN	SEAL OIL	SG	16.00	G	Y	Q
4321	C	334	2	36	VAC MACH	C-539	SG	SEAL OIL RETURN SIGHT GLASS	SEAL OIL	SG	16.00	G	Y	Q
4322	C	335	2	36	VAC MACH	C-539	V	SEAL OIL RETURN	SEAL OIL	SG	16.00	G	Y	Q
4323	C	335	2	36	VAC MACH	C-539	SG	SEAL OIL RETURN SIGHT GLASS	SEAL OIL	SG	16.00	G	Y	Q
4324	C	337	2	36	VAC MACH	C-539	V	SEAL OIL RETURN	SEAL OIL	SG	16.00	G	Y	Q
4325	C	338	2	36	VAC MACH	C-539	SG	SEAL OIL RETURN SIGHT GLASS	SEAL OIL	SG	16.00	G	Y	Q
4326	C	339	2	36	VAC MACH	C-539	V	SEAL OIL RETURN	SEAL OIL	SG	16.00	G	Y	Q
4327	C	340	2	36	VAC MACH	C-539	SG	SEAL OIL RETURN SIGHT GLASS	SEAL OIL	SG	16.00	G	Y	Q
0363 RECYCLE SYSTEM														
4330	C	341	2	36	VAC MACH	C-539	V	EXHAUST SEAL GAS RECYCLE DRAIN	RECYCLE	SG	16.00	G	Y	Q
4331	C	342	2	36	VAC MACH	C-539	V	EXHAUST SEAL GAS RECYCLE LINE	RECYCLE	SG	16.00	G	Y	Q
4332	C	343	2	36	VAC MACH	C-539	V	EXHAUST SEAL GAS RECYCLE LINE	RECYCLE	SG	16.00	G	Y	Q
4333	C	344	2	36	VAC MACH	C-539	V	EXHAUST SEAL GAS RECYCLE LINE	RECYCLE	SG	16.00	G	Y	Q
0364 SAFETY AND CLEANOUT SYSTEM														
4340	C	331	2	36	VAC MACH	C-539	V	FIRST STAGE INLET CLEANOUT	STEAM	SG	16.00	GV	Y	N/A
4341	C	332	2	36	VAC MACH	C-539	V	FIRST STAGE SAFETY WATER	STEAM	SG	16.00	GV	Y	N/A
4342	C	349	2	36	VAC MACH	C-539	V	SECOND STAGE SAFETY WATER	STEAM	SG	16.00	GV	Y	Q
4367	A	251	2	36	VAC MACH	C-539	V	EXHAUST NOISE SUPPRESSOR CLEAN OUT	STEAM	SG	16.00	G	N	A
4368	C	347	2	36	VAC MACH	C-539	V	SECOND STAGE DISCHARGE CLEANOUT	STEAM	SG	16.00	G	Y	Q
4375	A	248	2	36	VAC MACH	C-539	V	FIRST/SECOND STAGE CROSSOVER CLEANOUT	STEAM	SG	16.00	G	N	A
4377	A	497	2	36	VAC MACH	C-539	VT	FROM DECANTER VENT	STEAM	SG	16.00	G	N	A
4391	A	252	2	36	VAC MACH	C-539	V	EXHAUST NOISE SUPPRESSOR CLEAN OUT	STEAM	SG	16.00	G	N	A
0365 SEAL OIL INLET SYSTEM														
4350	A	242	2	36	VAC MACH	C-539	V	SEAL OIL INLET VALVE	SEAL OIL	SG	16.00	G	Y	Q
4351	A	243	2	36	VAC MACH	C-539	V	SEAL OIL INLET VALVE	SEAL OIL	SG	16.00	G	Y	Q
4352	A	241	2	36	VAC MACH	C-539	V	SEAL OIL INLET PRESSURE TAP	SEAL OIL	SG	16.00	G	Y	Q
4353	A	240	2	36	VAC MACH	C-539	G	SEAL OIL INLET GAUGE	SEAL OIL	SG	16.00	G	Y	Q
4354	A	244	2	36	VAC MACH	C-539	V	SEAL OIL INLET VALVE	SEAL OIL	SG	16.00	G	Y	Q
4355	A	244	2	36	VAC MACH	C-539	V	SEAL OIL INLET VALVE	SEAL OIL	SG	16.00	G	Y	Q
4356	A	245	2	36	VAC MACH	C-539	V	SEAL OIL INLET VALVE	SEAL OIL	SG	16.00	G	Y	Q
4357	A	245	2	36	VAC MACH	C-539	V	SEAL OIL INLET VALVE	SEAL OIL	SG	16.00	G	Y	Q
4358	A	246	2	36	VAC MACH	C-539	G	SEAL OIL INLET GAUGE	SEAL OIL	SG	16.00	G	Y	Q
4359	A	247	2	36	VAC MACH	C-539	V	SEAL OIL INLET VALVE	SEAL OIL	SG	16.00	G	Y	Q
0366 INJECTION WATER SYSTEM														
4366	A	250	2	36	VAC MACH	C-539	V	INJECTION WATER SECOND STAGE	INJECTION WAT	SG	16.00	G	N	A
4366	C	348	2	36	VAC MACH	C-539	V	INJECTION WATER SECOND STAGE	INJECTION WAT	SG	16.00	G	Y	Q
4369	A	242	2	36	VAC MACH	C-539	V	INJECTION WATER SECOND STAGE	INJECTION WAT	SG	16.00	G	Y	Q
4370	A	243	2	36	VAC MACH	C-539	V	INJECTION WATER FIRST STAGE	INJECTION WAT	SG	16.00	G	Y	Q
4371	A	244	2	36	VAC MACH	C-539	V	INJECTION WATER FIRST STAGE	INJECTION WAT	SG	16.00	G	Y	Q

4372	C	345	2	36	VAC MACH	C-539	V	INJECTION WATER FIRST STAGE	INJECTION WAT	SG	16.00	G	Y	O
4373	C	352	2	36	VAC MACH	C-539	V	INJECTION WATER FIRST STAGE	INJECTION WAT	SG	16.00	G	Y	O
4374	C	351	2	36	VAC MACH	C-539	V	INJECTION WATER FIRST STAGE	INJECTION WAT	SG	16.00	G	Y	O
4375	C	350	2	36	VAC MACH	C-539	V	INJECTION WATER SECOND STAGE	INJECTION WAT	SG	16.00	G	Y	O
4378	C	350	2	36	VAC MACH	C-539	V	INJECTION WATER LINE VALVE	INJECTION WAT	SG	16.00	G	Y	O
0357 HEADER SYSTEM														
4380	C	356	2	36	VAC MACH	C-539	V	SUB GAS SUCTION HEADER BLOCKING VALVE	INOUT	SG	16.00	GV	N	N/A
4381	C	408	2	36	VAC MACH	C-539	V	SUB SUB GAS SUCTION HEADER BLOCK VALVE	INOUT	SG	16.00	GV	N	N/A
4382	C	358	2	36	VAC MACH	C-539	V	SUB GAS BYPASS VALVE	INOUT	SG	16.00	G	N	A
4383	A	498	2	36	VAC MACH	C-539	V	SUB GAS DISCHARGE CHECK VALVE	INOUT	SG	16.00	G	N	A
4384	C	354	2	36	VAC MACH	C-539	V	SUB GAS DISCHARGE HEADER BLOCKING VALVE	INOUT	SG	16.00	G	N	A
4385	A	499	2	36	VAC MACH	C-539	V	SUB GAS DISCHARGE CHECK VALVE	INOUT	SG	16.00	G	N	A
4386	C	355	2	36	VAC MACH	C-539	V	SUB GAS DISCHARGE CLEANOUT VALVE	INOUT	SG	16.00	G	N	A
4387	C	407	2	36	VAC MACH	C-539	V	SUB GAS DISCHARGE BLOCKING VALVE	INOUT	SG	16.00	G	N	A
4388	A	500	2	36	VAC MACH	C-539	V	SUB SUB GAS DISCHARGE HEADER BLOCK VALVE	INOUT	SG	16.00	G	N	A
4389	C	353	2	36	VAC MACH	C-539	V	SUB SUB GAS DISCHARGE BLOCKING VALVE	INOUT	SG	16.00	G	N	A
4390	C	357	2	36	VAC MACH	C-539	VT	SUB GAS DISCHARGE HEADER CLEANOUT RELIEF VALVE	INOUT	SG	16.00	G	N	A

TABLE 37
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
VACUUM MACHINE C-542

0371 STEAM EDUCTOR SYSTEM														
4400 C	361	2	37	VAC MACH	C-542	V	STEAM EDUCTOR LINE VALVE	STEAM	SG	16.00	GV	Y	N/A	
4401 C	363	2	37	VAC MACH	C-542	V	STEAM EDUCTOR LINE VALVE	STEAM	SG	16.00	GV	Y	N/A	
4402 C	362	2	37	VAC MACH	C-542	V	STEAM EDUCTOR LINE VALVE	STEAM	SG	16.00	GV	Y	N/A	
4403 C	364	2	37	VAC MACH	C-542	V	STEAM EDUCTOR LINE CLEANOUT VALVE	STEAM	SG	16.00	GV	Y	N/A	
4404		2	37	VAC MACH	C-542	G	STEAM EDUCTOR LINE GAUGE	STEAM	SG	16.00	GV	Y	N/A	ADDED 12-95
4405		2	37	VAC MACH	C-542	V	STEAM EDUCTOR LINE PRESSURE TAP	STEAM	SG	16.00	GV	Y	N/A	ADDED 12-95
4406		2	37	VAC MACH	C-542	V	STEAM EDUCTOR LINE PRESSURE TAP	STEAM	SG	16.00	GV	Y	N/A	ADDED 12-95
4407		2	37	VAC MACH	C-542	G	STEAM EDUCTOR LINE GAUGE	STEAM	SG	16.00	GV	Y	N/A	ADDED 12-95
4408		2	37	VAC MACH	C-542	G	STEAM EDUCTOR LINE GAUGE	STEAM	SG	16.00	GV	Y	N/A	ADDED 12-95
4409		2	37	VAC MACH	C-542	V	STEAM EDUCTOR LINE PRESSURE TAP	STEAM	SG	16.00	GV	Y	N/A	ADDED 12-95
4410		2	37	VAC MACH	C-542	V	STEAM EDUCTOR LINE VALVE	STEAM	SG	16.00	GV	N	N/A	
4411		2	37	VAC MACH	C-542	V	STEAM EDUCTOR LINE CLEANOUT VALVE	STEAM	SG	16.00	GV	Y	N/A	ADDED 7-95
0372 SEAL OIL RETURN SYSTEM														
4420 C	374	2	37	VAC MACH	C-542	V	SEAL OIL RETURN	SEAL OIL	SG	16.00	G	Y	Q	
4421 C	373	2	37	VAC MACH	C-542	SG	SEAL OIL RETURN SIGHT GLASS	SEAL OIL	SG	16.00	G	Y	Q	
4422 C	376	2	37	VAC MACH	C-542	V	SEAL OIL RETURN	SEAL OIL	SG	16.00	G	Y	Q	
4423 C	375	2	37	VAC MACH	C-542	SG	SEAL OIL RETURN SIGHT GLASS	SEAL OIL	SG	16.00	G	Y	Q	
4424 C	378	2	37	VAC MACH	C-542	V	SEAL OIL RETURN	SEAL OIL	SG	16.00	G	Y	Q	
4425 C	377	2	37	VAC MACH	C-542	SG	SEAL OIL RETURN SIGHT GLASS	SEAL OIL	SG	16.00	G	Y	Q	
4426 C	380	2	37	VAC MACH	C-542	V	SEAL OIL RETURN	SEAL OIL	SG	16.00	G	Y	Q	
4427 C	379	2	37	VAC MACH	C-542	SG	SEAL OIL RETURN SIGHT GLASS	SEAL OIL	SG	16.00	G	Y	Q	
0373 RECYCLE SYSTEM														
4430 C	380	2	37	VAC MACH	C-542	V	EXHAUST SEAL GAS RECYCLE LINE VALVE	RECYCLE	SG	16.00	G	Y	Q	
4431 C	389	2	37	VAC MACH	C-542	V	EXHAUST SEAL GAS RECYCLE LINE VALVE	RECYCLE	SG	16.00	G	Y	Q	
4432 C	388	2	37	VAC MACH	C-542	V	EXHAUST SEAL GAS RECYCLE LINE VALVE	RECYCLE	SG	16.00	G	Y	Q	
4433 C	387	2	37	VAC MACH	C-542	V	EXHAUST SEAL GAS RECYCLE LINE DRAIN	RECYCLE	SG	16.00	G	Y	Q	
0374 SAFETY AND CLEANOUT SYSTEM														
4440 C	380	2	37	VAC MACH	C-542	V	FIRST STAGE INLET CLEANOUT		SG	16.00	GV	Y	N/A	
4441 C	359	2	37	VAC MACH	C-542	V	FIRST STAGE SAFETY WATER		SG	16.00	GV	Y	N/A	
4442 C	388	2	37	VAC MACH	C-542	V	SECOND STAGE SAFETY WATER		SG	16.00	G	Y	Q	
4475 C	391	2	37	VAC MACH	C-542	V	FIRST/SECOND STAGE CROSSOVER CLEANOUT		SG	16.00	G	N	A	
4476 C	501	2	37	VAC MACH	C-542	VT	DECANTER VENT LINE		SG	16.00	G	N	A	
0375 SEAL OIL INLET SYSTEM														
4450 C	383	2	37	VAC MACH	C-542	G	SEAL OIL INLET GAUGE	SEAL OIL	SG	16.00	G	Y	Q	
4451 C	382	2	37	VAC MACH	C-542	V	SEAL OIL INLET PRESSURE TAP	SEAL OIL	SG	16.00	G	Y	Q	
4452 C	381	2	37	VAC MACH	C-542	V	SEAL OIL INLET VALVE	SEAL OIL	SG	16.00	G	Y	Q	
4453 C	384	2	37	VAC MACH	C-542	V	SEAL OIL INLET VALVE	SEAL OIL	SG	16.00	G	Y	Q	
4454 C	385	2	37	VAC MACH	C-542	V	SEAL OIL INLET PRESSURE TAP	SEAL OIL	SG	16.00	G	Y	Q	
4455		2	37	VAC MACH	C-542	G	SEAL OIL INLET GAUGE	SEAL OIL	SG	16.00	G	Y	Q	ADDED 12-95
0376 INJECTION WATER SYSTEM														
4470		2	37	VAC MACH	C-542	V	INJECTION WATER FIRST STAGE	INJECTION WAT	SG	16.00	G	Y	Q	ADDED 12-95
4471		2	37	VAC MACH	C-542	V	INJECTION WATER FIRST STAGE	INJECTION WAT	SG	16.00	G	Y	Q	ADDED 12-95
4472		2	37	VAC MACH	C-542	V	INJECTION WATER FIRST STAGE	INJECTION WAT	SG	16.00	G	Y	Q	ADDED 12-95
4473		2	37	VAC MACH	C-542	V	INJECTION WATER FIRST STAGE	INJECTION WAT	SG	16.00	G	Y	Q	ADDED 12-95
4474 C	395	2	37	VAC MACH	C-542	V	INJECTION WATER SECOND STAGE	INJECTION WAT	SG	16.00	G	Y	Q	
4477		2	37	VAC MACH	C-542	V	INJECTION WATER SECOND STAGE	INJECTION WAT	SG	16.00	G	Y	Q	
4478 C	393	2	37	VAC MACH	C-542	V	INJECTION WATER SECOND STAGE	INJECTION WAT	SG	16.00	G	Y	Q	ADDED 12-95
4479 C	392	2	37	VAC MACH	C-542	V	INJECTION WATER SECOND STAGE	INJECTION WAT	SG	16.00	G	Y	Q	
0377 HEADER SYSTEM														
4480 C	401	2	37	VAC MACH	C-542	V	SUB GAS SUCTION HEADER BLOCKING VALVE	IN/OUT	SG	16.00	GV	N	N/A	

4481	C	404	2	37	VAC MACH	C-542	V	SUB SUB GAS SUCTION HEADER CLEANOUT	IN/OUT	SG	16.00	GV	N	N/A
4482	C	394	2	37	VAC MACH	C-542	V	SUB GAS BYPASS	IN/OUT	SG	16.00	GV	N	N/A
4483	C	502	2	37	VAC MACH	C-542	V	SUB GAS DISCHARGE CHECK VALVE	IN/OUT	SG	16.00	G	N	A
4484	C	403	2	37	VAC MACH	C-542	V	SUB GAS DISCHARGE HEADER BLOCK VALVE	IN/OUT	SG	16.00	G	N	A
4485	C	503	2	37	VAC MACH	C-542	V	SUB GAS DISCHARGE CLEANOUT VALVE	IN/OUT	SG	16.00	G	N	A
4486	C	402	2	37	VAC MACH	C-542	V	SUB GAS DISCHARGE BLOCKING VALVE	IN/OUT	SG	16.00	G	N	A
4487	C	405	2	37	VAC MACH	C-542	V	SUB SUB GAS DISCHARGE HEADER BLOCK VALVE	IN/OUT	SG	16.00	G	N	A
4488	C	504	2	37	VAC MACH	C-542	V	SUB SUB GAS DISCHARGE BLOCKING VALVE	IN/OUT	SG	16.00	G	N	A
4490	C	400	2	37	VAC MACH	C-542	V	RELIEF VALVE	IN/OUT	SG	16.00	G	N	A

4580	A	466	2	38	VAC MACH	C-545	V	SUB GAS SUCTION HEADER BLOCKING VALVE	IN/OUT	SG	16.00	GV	N	N/A
4581	A	466	2	38	VAC MACH	C-545	V	SUB GAS BYPASS	IN/OUT	SG	16.00	GV	N	N/A
4582	A	471	2	38	VAC MACH	C-545	V	SUB GAS DISCHARGE CHECK VALVE	IN/OUT	SG	16.00	G	N	A
4583	A	468	2	38	VAC MACH	C-545	V	SUB GAS DISCHARGE HEADER BLOCKING VALVE	IN/OUT	SG	16.00	G	N	A
4584	A	472	2	38	VAC MACH	C-545	V	SUB GAS DISCHARGE CLEANOUT VALVE	IN/OUT	SG	16.00	G	N	A
4585	A	469	2	38	VAC MACH	C-545	V	SUB GAS DISCHARGE BLOCKING VALVE	IN/OUT	SG	16.00	G	N	A
4590	A	457	2	38	VAC MACH	C-545	VT	RELIEF VALVE	IN/OUT	SG	16.00	G	N	A

TABLE 39
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
VACUUM MACHINE C-548

0391 STEAM EDUCTOR SYSTEM		V	STEAM EDUCTOR LINE VALVE	SG	16.00	GV	Y	N/A
4600	C 411 2 39 VAC MACH C-548	V	STEAM EDUCTOR LINE VALVE	SG	16.00	GV	Y	N/A
4601	C 414 2 39 VAC MACH C-548	V	STEAM EDUCTOR LINE VALVE	SG	16.00	GV	Y	N/A
4602	C 412 2 39 VAC MACH C-548	V	STEAM EDUCTOR LINE VALVE	SG	16.00	GV	Y	N/A
4603	C 413 2 39 VAC MACH C-548	V	STEAM EDUCTOR LINE VALVE	SG	16.00	GV	Y	N/A
4604	C 415 2 39 VAC MACH C-548	V	STEAM EDUCTOR LINE VALVE	SG	16.00	GV	Y	N/A
4605	C 416 2 39 VAC MACH C-548	V	STEAM EDUCTOR LINE VALVE	SG	16.00	GV	Y	N/A
4606	C 417 2 39 VAC MACH C-548	G	STEAM EDUCTOR PRESSURE TAP	SG	16.00	GV	Y	N/A
4607	C 418 2 39 VAC MACH C-548	V	STEAM EDUCTOR LINE GAUGE	SG	16.00	GV	Y	N/A
4608	C 419 2 39 VAC MACH C-548	G	STEAM EDUCTOR PRESSURE TAP	SG	16.00	GV	Y	N/A
0392 SEAL OIL RETURN SYSTEM		V	STEAM EDUCTOR LINE VALVE	SG	16.00	GV	Y	N/A
4620	C 422 2 39 VAC MACH C-548	V	SEAL OIL RETURN	SG	16.00	G	Y	Q
4621	C 423 2 39 VAC MACH C-548	SG	SEAL OIL RETURN SIGHT GLASS	SG	16.00	G	Y	Q
4622	C 424 2 39 VAC MACH C-548	V	SEAL OIL RETURN	SG	16.00	G	Y	Q
4623	C 425 2 39 VAC MACH C-548	SG	SEAL OIL RETURN SIGHT GLASS	SG	16.00	G	Y	Q
4624	C 426 2 39 VAC MACH C-548	V	SEAL OIL RETURN	SG	16.00	G	Y	Q
4625	C 427 2 39 VAC MACH C-548	SG	SEAL OIL RETURN SIGHT GLASS	SG	16.00	G	Y	Q
4626	C 428 2 39 VAC MACH C-548	V	SEAL OIL RETURN	SG	16.00	G	Y	Q
4627	C 429 2 39 VAC MACH C-548	SG	SEAL OIL RETURN SIGHT GLASS	SG	16.00	G	Y	Q
0393 RECYCLE SYSTEM		V	EXHAUST SEAL RECYCLE LINE VALVE	SG	16.00	G	Y	Q
4630	C 442 2 39 VAC MACH C-548	V	EXHAUST SEAL RECYCLE LINE VALVE	SG	16.00	G	Y	Q
4631	C 441 2 39 VAC MACH C-548	V	EXHAUST SEAL RECYCLE LINE VALVE	SG	16.00	G	Y	Q
4632	C 440 2 39 VAC MACH C-548	V	EXHAUST SEAL RECYCLE LINE VALVE	SG	16.00	G	Y	Q
4633	C 439 2 39 VAC MACH C-548	V	EXHAUST SEAL RECYCLE LINE DRAIN	SG	16.00	G	Y	Q
0394 SAFETY AND CLEANOUT SYSTEM		V	EXHAUST SEAL RECYCLE LINE VALVE	SG	16.00	G	Y	Q
4640	C 420 2 39 VAC MACH C-548	V	FIRST STAGE INLET CLEANOUT	SG	16.00	GV	Y	N/A
4641	C 421 2 39 VAC MACH C-548	V	FIRST STAGE SAFETY WATER	SG	16.00	GV	Y	N/A
4642	C 438 2 39 VAC MACH C-548	V	SECOND STAGE SAFETY WATER	SG	16.00	G	Y	Q
4677	C 437 2 39 VAC MACH C-548	V	FIRST/SECOND STAGE CROSSOVER CLEANOUT	SG	16.00	G	N	A
4678	C 506 2 39 VAC MACH C-548	VT	DECANTER VENT LINE	SG	16.00	G	N	A
0395 SEAL OIL INLET SYSTEM		G	SEAL OIL INLET GAUGE	SG	16.00	G	Y	Q
4650	C 443 2 39 VAC MACH C-548	V	SEAL OIL INLET VALVE	SG	16.00	G	Y	Q
4651	C 444 2 39 VAC MACH C-548	V	SEAL OIL INLET PRESSURE TAP	SG	16.00	G	Y	Q
4652	C 445 2 39 VAC MACH C-548	V	SEAL OIL INLET VALVE	SG	16.00	G	Y	Q
4653	C 446 2 39 VAC MACH C-548	V	SEAL OIL INLET VALVE	SG	16.00	G	Y	Q
4654	C 447 2 39 VAC MACH C-548	V	SEAL OIL INLET VALVE	SG	16.00	G	Y	Q
4655	C 448 2 39 VAC MACH C-548	V	SEAL OIL INLET PRESSURE TAP	SG	16.00	G	Y	Q
4656	C 450 2 39 VAC MACH C-548	V	SEAL OIL INLET VALVE	SG	16.00	G	Y	Q
4657	C 449 2 39 VAC MACH C-548	G	SEAL OIL INLET GAUGE	SG	16.00	G	Y	Q
0396 INJECTION WATER SYSTEM		V	INJECTION WATER SECOND STAGE	SG	16.00	G	Y	Q
4668	C 430 2 39 VAC MACH C-548	V	INJECTION WATER SECOND STAGE	SG	16.00	G	Y	Q
4669	C 431 2 39 VAC MACH C-548	V	INJECTION WATER FIRST STAGE	SG	16.00	G	Y	Q
4670	C 432 2 39 VAC MACH C-548	V	INJECTION WATER FIRST STAGE	SG	16.00	G	Y	Q
4671	C 435 2 39 VAC MACH C-548	V	INJECTION WATER FIRST STAGE	SG	16.00	G	Y	Q
4672	C 436 2 39 VAC MACH C-548	V	INJECTION WATER FIRST STAGE	SG	16.00	G	Y	Q
4673	C 435 2 39 VAC MACH C-548	V	INJECTION WATER FIRST STAGE	SG	16.00	G	Y	Q
4674	C 434 2 39 VAC MACH C-548	V	INJECTION WATER FIRST STAGE	SG	16.00	G	Y	Q
4675	C 433 2 39 VAC MACH C-548	V	INJECTION WATER FIRST STAGE	SG	16.00	G	Y	Q
4676	C 433 2 39 VAC MACH C-548	V	INJECTION WATER SECOND STAGE	SG	16.00	G	Y	Q
4679	C 432 2 39 VAC MACH C-548	V	INJECTION WATER SECOND STAGE	SG	16.00	G	Y	Q
0397 HEADER SYSTEM		V	INJECTION WATER	SG	16.00	G	Y	Q
4680	C 431 2 39 VAC MACH C-548	V	INJECTION WATER	SG	16.00	G	Y	Q
4681	C 430 2 39 VAC MACH C-548	V	INJECTION WATER	SG	16.00	G	Y	Q
4682	C 429 2 39 VAC MACH C-548	V	INJECTION WATER	SG	16.00	G	Y	Q
4683	C 428 2 39 VAC MACH C-548	V	INJECTION WATER	SG	16.00	G	Y	Q
4684	C 427 2 39 VAC MACH C-548	V	INJECTION WATER	SG	16.00	G	Y	Q
4685	C 426 2 39 VAC MACH C-548	V	INJECTION WATER	SG	16.00	G	Y	Q
4686	C 425 2 39 VAC MACH C-548	V	INJECTION WATER	SG	16.00	G	Y	Q
4687	C 424 2 39 VAC MACH C-548	V	INJECTION WATER	SG	16.00	G	Y	Q
4688	C 423 2 39 VAC MACH C-548	V	INJECTION WATER	SG	16.00	G	Y	Q
4689	C 422 2 39 VAC MACH C-548	V	INJECTION WATER	SG	16.00	G	Y	Q
4690	C 421 2 39 VAC MACH C-548	V	INJECTION WATER	SG	16.00	G	Y	Q
4691	C 420 2 39 VAC MACH C-548	V	INJECTION WATER	SG	16.00	G	Y	Q
4692	C 419 2 39 VAC MACH C-548	V	INJECTION WATER	SG	16.00	G	Y	Q
4693	C 418 2 39 VAC MACH C-548	V	INJECTION WATER	SG	16.00	G	Y	Q
4694	C 417 2 39 VAC MACH C-548	V	INJECTION WATER	SG	16.00	G	Y	Q
4695	C 416 2 39 VAC MACH C-548	V	INJECTION WATER	SG	16.00	G	Y	Q
4696	C 415 2 39 VAC MACH C-548	V	INJECTION WATER	SG	16.00	G	Y	Q
4697	C 414 2 39 VAC MACH C-548	V	INJECTION WATER	SG	16.00	G	Y	Q
4698	C 413 2 39 VAC MACH C-548	V	INJECTION WATER	SG	16.00	G	Y	Q
4699	C 412 2 39 VAC MACH C-548	V	INJECTION WATER	SG	16.00	G	Y	Q
4700	C 411 2 39 VAC MACH C-548	V	INJECTION WATER	SG	16.00	G	Y	Q

4680	C	453	2	39	VAC MACH	C-548	V	SUB GAS SUCTION HEADER BLOCKING VALVE	IN/OUT	SG	16.00	GV	N	N/A
4681	C	451	2	39	VAC MACH	C-548	V	SUB GAS BYPASS VALVE	IN/OUT	SG	16.00	GV	N	N/A
4682	C	507	2	39	VAC MACH	C-548	V	SUB GAS DISCHARGE CHECK VALVE	IN/OUT	SG	16.00	G	N	A
4683	C	455	2	39	VAC MACH	C-548	V	SUB GAS DISCHARGE HEADER BLOCKING VALVE	IN/OUT	SG	16.00	G	N	A
4684	C	508	2	39	VAC MACH	C-548	V	SUB GAS DISCHARGE CLEANOUT VALVE	IN/OUT	SG	16.00	G	N	A
4685	C	454	2	39	VAC MACH	C-548	V	SUB GAS DISCHARGE BLOCKING VALVE	IN/OUT	SG	16.00	G	N	A
4690	C	452	2	39	VAC MACH	C-548	VT	RELIEF VALVE	IN/OUT	SG	16.00	G	N	A

TABLE 40
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
MAIN QUAD NO. 1

0401 MAIN GAS BLOCKING VALVES														
5000	D	501	2	40	MAIN QUAD	R-401A	V	SUB GAS COLD SEPARATOR BLOCKING VALVE	LO	57.63	L	Y	MIU	LO WASH
5001	D	502	2	40	MAIN QUAD	R-401A	V	DOWNRIVER GAS COLD SEPARATOR BLOCK VALVE	LO	57.63	L	Y	MIU	LO WASH
5002	D	503	2	40	MAIN QUAD	R-401A	V	UNDERFIRE GAS COLD SEPARATOR BLOCK VALVE	LO	57.63	L	Y	MIU	LO WASH
5003	D	504	2	40	MAIN QUAD	R-401B	V	SUB GAS COLD SEPARATOR BLOCKING VALVE	LO	57.63	L	Y	MIU	LO WASH
5004	D	505	2	40	MAIN QUAD	R-401B	V	DOWNRIVER GAS COLD SEPARATOR BLOCK VALVE	LO	57.63	L	Y	MIU	LO WASH
5005	D	506	2	40	MAIN QUAD	R-401B	V	UNDERFIRE GAS COLD SEPARATOR BLOCK VALVE	LO	57.63	L	Y	MIU	LO WASH
5006	D	507	2	40	MAIN QUAD	R-401C	V	SUB GAS COLD SEPARATOR BLOCKING VALVE	LO	57.63	L	Y	MIU	LO WASH
5007	D	508	2	40	MAIN QUAD	R-401C	V	DOWNRIVER GAS COLD SEPARATOR BLOCK VALVE	LO	57.63	L	Y	MIU	LO WASH
5008	D	509	2	40	MAIN QUAD	R-401C	V	UNDERFIRE GAS COLD SEPARATOR BLOCK VALVE	LO	57.63	L	Y	MIU	LO WASH
5009	D	510	2	40	MAIN QUAD	R-401D	V	SUB GAS COLD SEPARATOR BLOCKING VALVE	LO	57.63	L	Y	MIU	LO WASH
5010	D	511	2	40	MAIN QUAD	R-401D	V	DOWNRIVER COLD SEPARATOR BLOCK VALVE	LO	57.63	L	Y	MIU	LO WASH
5011	D	512	2	40	MAIN QUAD	R-401D	V	UNDERFIRE GAS COLD SEPARATOR BLOCK VALVE	LO	57.63	L	Y	MIU	LO WASH
0402 SUB GAS MANIFOLD / NITROGEN														
5015	C	490	2	40	MAIN QUAD	QUAD 1	V	SUB GAS HEADER CLEANOUT VALVE	SG	16.00	GV	N	N/A	
5016	C	469	2	40	MAIN QUAD	QUAD 1	V	BLOCKING VALVE SUB GAS VACUUM LINE	SG	16.00	GV	Y	N/A	
5017	C	468	2	40	MAIN QUAD	QUAD 1	V	BLOCKING VALVE NITROGEN PURGE	SG	16.00	GV	Y	N/A	
5018	C	470	2	40	MAIN QUAD	QUAD 1	V	CLEAN OUT VALVE SUB GAS VACUUM LINE	SG	16.00	GV	Y	N/A	
5019	C	471	2	40	MAIN QUAD	QUAD 1	V	BLEED VALVE SUB GAS VACUUM LINE	SG	16.00	GV	Y	N/A	
0403 UNIT A														
5020	D	092	2	40	MAIN QUAD	R-401A	V	RAW GAS VALVE	SG	16.00	G	Y	Q	
5021	D	091	2	40	MAIN QUAD	R-401A	V	DOWN RIVER GAS VALVE	SG	16.00	G	Y	Q	
5022	D	122	2	40	MAIN QUAD	R-401A	V	TOP LEVEL NORTH PRESSURE TAP	LO	57.63	L	N	A	
5023	D	122	2	40	MAIN QUAD	R-401A	V	UNDER FIRE GAS VALVE	SG	16.00	G	Y	Q	
5024	D	120	2	40	MAIN QUAD	R-401A	V	SUB GAS VALVE	SG	16.00	G	Y	Q	
5025	D	517	2	40	MAIN QUAD	R-401A	V	TOP LEVEL SOUTH STEAM TAP	LO	57.63	L	Y	Q	
5026	D	121	2	40	MAIN QUAD	R-401A	V	TOP PRESSURE TAP VALVE	SG	16.00	G	Y	Q	
5027	A	170	2	40	MAIN QUAD	R-401A	PD	TOP PRESSURE TRANSDUCER	SG	16.00	G	Y	Q	
5028	A	171	2	40	MAIN QUAD	R-401A	V	TOP PRESSURE TAP	SG	16.00	G	Y	Q	
5029	C	491	2	40	MAIN QUAD	R-401A	V	TOP PRESSURE TAP	SG	16.00	G	Y	Q	
5030	C	491	2	40	MAIN QUAD	R-401A	V	MID LEVEL PRESSURE TAP	SG	16.00	G	Y	Q	
5031	D	513	2	40	MAIN QUAD	R-401A	V	LOW LEVEL PRESSURE TAP	LO	57.63	L	N	A	
5032	D	422	2	40	MAIN QUAD	R-401A	VT	RELIEF VALVE	SG	16.00	G	Y	Q	
5034	D	422	2	40	MAIN QUAD	R-401A	V	LOW LEVEL PRESS. TAP DRAIN	LO	57.63	L	Y	MIU	LO WASH
0404 UNIT B														
5040	D	098	2	40	MAIN QUAD	R-401B	V	RAW GAS VALVE	SG	16.00	G	Y	Q	
5041	D	093	2	40	MAIN QUAD	R-401B	V	DOWN RIVER GAS VALVE	SG	16.00	G	Y	Q	
5042	D	526	2	40	MAIN QUAD	R-401B	V	TOP LEVEL NORTH PRESSURE TAP	LO	57.63	L	N	A	
5043	D	119	2	40	MAIN QUAD	R-401B	V	UNDER FIRE GAS VALVE	SG	16.00	G	Y	Q	
5044	D	117	2	40	MAIN QUAD	R-401B	V	SUB GAS VALVE	SG	16.00	G	Y	Q	
5045	D	522	2	40	MAIN QUAD	R-401B	V	TOP LEVEL SOUTH STEAM TAP	LO	57.63	L	N	A	
5046	D	118	2	40	MAIN QUAD	R-401B	V	TOP PRESSURE TAP VALVE	SG	16.00	G	Y	Q	
5047	A	173	2	40	MAIN QUAD	R-401B	V	TOP PRESSURE TAP	SG	16.00	G	Y	Q	
5048	C	492	2	40	MAIN QUAD	R-401B	V	MID LEVEL PRESSURE TAP	SG	16.00	G	Y	Q	
5049	D	514	2	40	MAIN QUAD	R-401B	V	LOW LEVEL PRESSURE TAP	LO	57.63	L	N	A	
5050	D	421	2	40	MAIN QUAD	R-401B	VT	RELIEF VALVE	SG	16.00	G	Y	Q	
5051	D	421	2	40	MAIN QUAD	R-401B	V	LOW LEVEL PRESS. TAP DRAIN	LO	57.63	L	Y	MIU	LO WASH
5052	D	421	2	40	MAIN QUAD	R-401B	V	TOP LEVEL SOUTH STEAM TAP	LO	57.63	L	Y	Q	
0405 UNIT C														
5060	D	104	2	40	MAIN QUAD	R-401C	V	RAW GAS VALVE	SG	16.00	G	Y	Q	
5061	D	099	2	40	MAIN QUAD	R-401C	V	DOWN RIVER GAS VALVE	SG	16.00	G	Y	Q	
5062	D	531	2	40	MAIN QUAD	R-401C	V	TOP LEVEL NORTH PRESSURE TAP	LO	57.63	L	N	A	

5063	D	116	2	40	MAIN QUAD	R-401C	V	UNDER FIRE GAS VALVE	SG	16.00	G	Y	Q	
5064	D	114	2	40	MAIN QUAD	R-401C	V	SUB GAS VALVE	SG	16.00	G	Y	Q	
5065	D	527	2	40	MAIN QUAD	R-401C	V	TOP LEVEL SOUTH STEAM VALVE	LO	57.63	L	N	A	
5066			2	40	MAIN QUAD	R-401C	V	TOP LEVEL SOUTH STEAM VALVE EXTENSION	LO	57.63	L	Y	Q	
5067	D	115	2	40	MAIN QUAD	R-401C	V	TOP PRESSURE TAP VALVE	SG	16.00	G	Y	Q	
5068	A	176	2	40	MAIN QUAD	R-401C	V	TOP PRESSURE TAP	SG	16.00	G	Y	Q	
5069	A	177	2	40	MAIN QUAD	R-401C	PD	TOP PRESSURE TRANSDUCER	SG	16.00	G	Y	Q	
5071	C	493	2	40	MAIN QUAD	R-401C	V	MID LEVEL PRESSURE TAP	SG	16.00	G	Y	Q	
5072	D	515	2	40	MAIN QUAD	R-401C	V	LOW LEVEL PRESSURE TAP COLD	LO	57.63	L	N	A	LOW WASH
5073	D	429	2	40	MAIN QUAD	R-401C	VT	RELIEF VALVE	SG	16.00	G	Y	Q	
5074			2	40	MAIN QUAD	R-401C	V	LOW LEVEL PRESS. TAP DRAIN	LO	57.63	L	Y	Q	
0406	UNIT D													
5080	D	110	2	40	MAIN QUAD	R-401D	V	RAW GAS VALVE	SG	16.00	G	Y	Q	
5081	D	105	2	40	MAIN QUAD	R-401D	V	DOWN RIVER GAS VALVE	SG	16.00	G	Y	Q	
5082	D	536	2	40	MAIN QUAD	R-401D	V	TOP LEVEL NORTH PRESSURE TAP	LO	57.63	L	Y	Q	
5083	D	113	2	40	MAIN QUAD	R-401D	V	UNDER FIRE GAS VALVE	SG	16.00	G	Y	Q	
5084	D	111	2	40	MAIN QUAD	R-401D	V	SUB GAS VALVE	SG	16.00	G	Y	Q	
5085	D	532	2	40	MAIN QUAD	R-401D	V	TOP SOUTH STEAM TAP	LO	57.63	L	N	A	
5086			2	40	MAIN QUAD	R-401D	V	TOP SOUTH STEAM EXTENSION	LO	57.63	L	Y	Q	
5087	D	112	2	40	MAIN QUAD	R-401D	V	TOP PRESSURE TAP VALVE	SG	16.00	G	Y	Q	
5088	A	179	2	40	MAIN QUAD	R-401D	V	TOP PRESSURE TAP	SG	16.00	G	Y	Q	
5089	A	181	2	40	MAIN QUAD	R-401D	PD	TOP PRESSURE TRANSDUCER	SG	16.00	G	Y	Q	
5090	A	180	2	40	MAIN QUAD	R-401D	G	TOP PRESSURE GAUGE	SG	16.00	G	Y	Q	
5092	C	494	2	40	MAIN QUAD	R-401D	V	MID LEVEL PRESSURE TAP	SG	16.00	G	Y	Q	
5093	D	516	2	40	MAIN QUAD	R-401D	V	LOW LEVEL PRESSURE TAP COLD	LO	57.63	L	N	A	LOW WASH
5094	D	419	2	40	MAIN QUAD	R-401D	V	RELIEF VALVE	SG	16.00	G	Y	Q	
5095			2	40	MAIN QUAD	R-401D	V	LOW LEVEL PRESS. TAP DRAIN	LO	57.63	L	Y	Q	

TABLE 41
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
MAIN QUAD NO. 2

UNIT	MAIN GAS BLOCKING VALVES																							
0411	5100	D	543	2	41	MAIN QUAD	R-402A	V	UNDERFIRE GAS COLD SEPARATOR BLOCK VALVE	BOTTOM	LO	57.63	L	Y	MIU	LO WASH								
	5101	D	542	2	41	MAIN QUAD	R-402A	V	DOWNRIVER GAS COLD SEPARATOR BLOCK VALVE	BOTTOM	LO	57.63	L	Y	MIU	LO WASH								
	5102	D	541	2	41	MAIN QUAD	R-402A	V	SUB GAS COLD SEPARATOR BLOCKING VALVE	BOTTOM	LO	57.63	L	Y	MIU	LO WASH								
	5103	D	546	2	41	MAIN QUAD	R-402B	V	UNDERFIRE GAS COLD SEPARATOR BLOCK VALVE	BOTTOM	LO	57.63	L	Y	MIU	LO WASH								
	5104	D	545	2	41	MAIN QUAD	R-402B	V	DOWNRIVER GAS COLD SEPARATOR BLOCK VALVE	BOTTOM	LO	57.63	L	Y	MIU	LO WASH								
	5105	D	544	2	41	MAIN QUAD	R-402B	V	SUB GAS COLD SEPARATOR BLOCKING VALVE	BOTTOM	LO	57.63	L	Y	MIU	LO WASH								
	5106	D	549	2	41	MAIN QUAD	R-402C	V	UNDERFIRE GAS COLD SEPARATOR BLOCK VALVE	BOTTOM	LO	57.63	L	Y	MIU	LO WASH								
	5107	D	548	2	41	MAIN QUAD	R-402C	V	DOWNRIVER GAS COLD SEPARATOR BLOCK VALVE	BOTTOM	LO	57.63	L	Y	MIU	LO WASH								
	5108	D	547	2	41	MAIN QUAD	R-402C	V	SUB GAS COLD SEPARATOR BLOCKING VALVE	BOTTOM	LO	57.63	L	Y	MIU	LO WASH								
	5109	D	552	2	41	MAIN QUAD	R-402D	V	UNDERFIRE GAS COLD SEPARATOR BLOCK VALVE	BOTTOM	LO	57.63	L	Y	MIU	LO WASH								
	5110	D	551	2	41	MAIN QUAD	R-402D	V	DOWNRIVER GAS COLD SEPARATOR BLOCK VALVE	BOTTOM	LO	57.63	L	Y	MIU	LO WASH								
0412	5111	D	550	2	41	MAIN QUAD	R-402D	V	SUB GAS COLD SEPARATOR BLOCKING VALVE	BOTTOM	LO	57.63	L	Y	MIU	LO WASH								
	SUB GAS MANIFOLD / NITROGEN																							
	5115	D	020	2	41	MAIN QUAD	QUAD 2	V	SUB GAS HEADER CLEANOUT VALVE	HEADER	SG	16.00	GV	N	N/A									
	5116	C	465	2	41	MAIN QUAD	QUAD 2	V	BLOCKING VALVE SUB GAS VACUUM LINE	HEADER	SG	16.00	GV	Y	N/A									
	5117	C	464	2	41	MAIN QUAD	QUAD 2	V	BLOCKING VALVE NITROGEN PURGE	HEADER	SG	16.00	GV	Y	N/A									
	5118	C	466	2	41	MAIN QUAD	QUAD 2	V	CLEAN OUT VALVE SUB GAS VACUUM LINE	HEADER	SG	16.00	GV	Y	N/A									
	5119	C	467	2	41	MAIN QUAD	QUAD 2	V	BLEED VALVE SUB GAS VACUUM LINE	HEADER	SG	16.00	GV	Y	N/A									
	UNIT A																							
	5120	D	025	2	41	MAIN QUAD	R-402A	V	RAW GAS VALVE	TOP #A	SG	16.00	G	Y	Q									
	5121	D	026	2	41	MAIN QUAD	R-402A	V	TOP PRESSURE TAP VALVE	TOP #A	SG	16.00	G	Y	Q									
	5122	A	182	2	41	MAIN QUAD	R-402A	V	TOP PRESSURE TAP	TOP #A	SG	16.00	G	Y	Q									
5123	A	184	2	41	MAIN QUAD	R-402A	PD	TOP PRESSURE TRANSDUCER	TOP #A	SG	16.00	G	Y	Q										
5124	A	183	2	41	MAIN QUAD	R-402A	G	TOP PRESSURE GAUGE	TOP #A	SG	16.00	G	Y	Q										
5125	D	027	2	41	MAIN QUAD	R-402A	V	DOWNRIVER GAS VALVE	TOP #A	SG	16.00	G	Y	Q										
5126	D	557	2	41	MAIN QUAD	R-402A	V	TOP LEVEL SOUTH STEAM TAP	TOP #A	LO	57.63	L	N	A										
5127	D	057	2	41	MAIN QUAD	R-402A	V	UNDER FIRE GAS VALVE	TOP #A	SG	16.00	G	Y	Q										
5128	D	063	2	41	MAIN QUAD	R-402A	V	SUB GAS VALVE	TOP #A	SG	16.00	G	Y	Q										
5129	D	409	2	41	MAIN QUAD	R-402A	VT	RELIEF VALVE	TOP #A	SG	16.00	G	Y	Q										
5130	D	561	2	41	MAIN QUAD	R-402A	V	TOP LEVEL NORTH PRESSURE TAP	TOP #A	SG	16.00	G	Y	Q										
5131	D	553	2	41	MAIN QUAD	R-402A	V	LOW LEVEL PRESSURE TAP COLD	TOP #A	LO	57.63	L	N	A										
5132	D	024	2	41	MAIN QUAD	R-402A	V	MID LEVEL PRESSURE TAP VALVE	TOP #A	SG	16.00	G	Y	Q										
UNIT B																								
5140	D	028	2	41	MAIN QUAD	R-402B	V	RAW GAS VALVE	TOP #B	SG	16.00	G	Y	Q										
5141	D	029	2	41	MAIN QUAD	R-402B	V	TOP PRESSURE TAP VALVE	TOP #B	SG	16.00	G	Y	Q										
5142	A	187	2	41	MAIN QUAD	R-402B	PD	TOP PRESSURE TRANSDUCER	TOP #B	SG	16.00	G	Y	Q										
5143	A	186	2	41	MAIN QUAD	R-402B	G	TOP PRESSURE GAUGE	TOP #B	SG	16.00	G	Y	Q										
5144	D	030	2	41	MAIN QUAD	R-402B	V	DOWNRIVER GAS VALVE	TOP #B	SG	16.00	G	Y	Q										
5145	D	562	2	41	MAIN QUAD	R-402B	V	TOP LEVEL SOUTH STEAM VALVE	TOP #B	LO	57.63	L	N	A										
5146									TOP #B	LO	57.63	L	Y	Q										
5147	D	051	2	41	MAIN QUAD	R-402B	V	UNDER FIRE GAS VALVE	TOP #B	SG	16.00	G	Y	Q										
5148	D	056	2	41	MAIN QUAD	R-402B	V	SUB GAS VALVE	TOP #B	SG	16.00	G	Y	Q										
5149	D	566	2	41	MAIN QUAD	R-402B	V	TOP LEVEL NORTH PRESSURE TAP	TOP #B	LO	57.63	L	N	A										
5150	D	073	2	41	MAIN QUAD	R-402B	V	MID LEVEL PRESSURE TAP VALVE	TOP #B	SG	16.00	G	Y	Q										
5151	D	554	2	41	MAIN QUAD	R-402B	V	LOW LEVEL PRESSURE TAP COLD	TOP #B	LO	57.63	L	N	A										
5152	D	408	2	41	MAIN QUAD	R-402B	V	RELIEF VALVE	TOP #B	SG	16.00	G	Y	Q										
UNIT C																								
5160	D	031	2	41	MAIN QUAD	R-402C	V	RAW GAS VALVE	TOP #C	SG	16.00	G	Y	Q										
5161	D	032	2	41	MAIN QUAD	R-402C	V	TOP PRESSURE TAP VALVE	TOP #C	SG	16.00	G	Y	Q										
5162	A	188	2	41	MAIN QUAD	R-402C	V	TOP PRESSURE TAP	TOP #C	SG	16.00	G	Y	Q										
5163	A	189	2	41	MAIN QUAD	R-402C	G	TOP PRESSURE GAUGE	TOP #C	SG	16.00	G	Y	Q										

5164	A	190	2	41	MAIN QUAD R-402C	PD	TOP PRESSURE TRANSDUCER	16.00	G	Y	Q	
5165	D	033	2	41	MAIN QUAD R-402C	V	DOWN RIVER GAS VALVE	16.00	G	Y	Q	
5166	D	567	2	41	MAIN QUAD R-402C	V	TOP LEVEL SOUTH STEAM VALVE	57.63	L	N	A	
5167			2	41	MAIN QUAD R-402C	V	TOP LEVEL SOUTH STEAM VALVE EXTENSION	57.63	L	Y	Q	ADDED 12-95
5168	D	045	2	41	MAIN QUAD R-402C	V	UNDER FIRE GAS VALVE	16.00	G	Y	Q	
5169	D	048	2	41	MAIN QUAD R-402C	V	SUB GAS VALVE	16.00	G	Y	Q	
5170	D	571	2	41	MAIN QUAD R-402C	VT	TOP LEVEL NORTH PRESSURE TAP	57.63	L	N	A	
5171	D	407	2	41	MAIN QUAD R-402C	VT	RELIEF VALVE	16.00	G	Y	Q	ADDED 12-95
5172	D	022	2	41	MAIN QUAD R-402C	V	MID LEVEL PRESSURE TAP VALVE	16.00	G	Y	Q	
5173	D	555	2	41	MAIN QUAD R-402C	V	LOW LEVEL PRESSURE TAP COLD	16.00	G	Y	Q	
0416		UNIT D										
5180	D	034	2	41	MAIN QUAD R-402D	V	RAW GAS VALVE	16.00	G	Y	Q	
5181	D	035	2	41	MAIN QUAD R-402D	V	TOP PRESSURE TAP VALVE	16.00	G	Y	Q	
5182	A	191	2	41	MAIN QUAD R-402D	V	TOP PRESSURE TAP	16.00	G	Y	Q	
5183	A	192	2	41	MAIN QUAD R-402D	PD	TOP PRESSURE TRANSDUCER	16.00	G	Y	Q	
5184	A	193	2	41	MAIN QUAD R-402D	G	TOP PRESSURE GAUGE	16.00	G	Y	Q	
5185	D	035	2	41	MAIN QUAD R-402D	V	DOWN RIVER GAS VALVE	16.00	G	Y	Q	
5186	D	572	2	41	MAIN QUAD R-402D	V	TOP SOUTH STEAM TAP	16.00	G	Y	Q	
5187			2	41	MAIN QUAD R-402D	V	TOP SOUTH STEAM TAP EXTENSION	57.63	L	N	A	
5188	D	039	2	41	MAIN QUAD R-402D	V	UNDER FIRE GAS VALVE	57.63	L	Y	Q	
5189	D	044	2	41	MAIN QUAD R-402D	V	SUB GAS VALVE	16.00	G	Y	Q	
5190	D	576	2	41	MAIN QUAD R-402D	V	TOP LEVEL NORTH PRESSURE TAP	16.00	G	Y	Q	
5191	D	406	2	41	MAIN QUAD R-402D	VT	RELIEF VALVE	57.63	L	N	A	
5192	D	021	2	41	MAIN QUAD R-402D	V	MID LEVEL PRESSURE TAP VALVE	16.00	G	Y	Q	
5193	D	555	2	41	MAIN QUAD R-402D	V	LOW LEVEL PRESSURE TAP COLD	16.00	G	Y	Q	
								57.63	L	N	AIU	LO WASH

TABLE 42
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
MAIN QUAD NO. 3

ID	MAIN GAS BLOCKING VALVES	DESCRIPTION	UNIT	STATUS	DATE	TIME	LOCATION	STATUS	REMARKS	
0421	5200 D 581 2	42 MAIN QUAD R-403A	V				57.63	LO	MIU LO WASH	
	5201 D 582 2	42 MAIN QUAD R-403A	V				57.63	LO	MIU LO WASH	
	5202 D 583 2	42 MAIN QUAD R-403A	V				57.63	LO	MIU LO WASH	
	5203 D 584 2	42 MAIN QUAD R-403B	V				57.63	LO	MIU LO WASH	
	5204 D 585 2	42 MAIN QUAD R-403B	V				57.63	LO	MIU LO WASH	
	5205 D 586 2	42 MAIN QUAD R-403B	V				57.63	LO	MIU LO WASH	
	5206 D 587 2	42 MAIN QUAD R-403B	V				57.63	LO	MIU LO WASH	
	5207 D 588 2	42 MAIN QUAD R-403C	V				57.63	LO	MIU LO WASH	
	5208 D 589 2	42 MAIN QUAD R-403C	V				57.63	LO	MIU LO WASH	
	5209 D 590 2	42 MAIN QUAD R-403C	V				57.63	LO	MIU LO WASH	
	5210 D 591 2	42 MAIN QUAD R-403D	V				57.63	LO	MIU LO WASH	
	5211 D 592 2	42 MAIN QUAD R-403D	V				57.63	LO	MIU LO WASH	
0422	SUB GAS MANIFOLD / NITROGEN									
	5215 C 495 2	42 MAIN QUAD QUAD 3	V				16.00	SG	N/A	
	5216 C 478 2	42 MAIN QUAD QUAD 3	V				16.00	SG	N/A	
	5217 C 476 2	42 MAIN QUAD QUAD 3	V				16.00	SG	N/A	
	5218 C 477 2	42 MAIN QUAD QUAD 3	V				16.00	SG	N/A	
	5219 C 479 2	42 MAIN QUAD QUAD 3	V				16.00	SG	N/A	
0423	UNIT A									
	5220 D 154 2	42 MAIN QUAD R-403A	V				16.00	SG	N/A	
	5221 D 161 2	42 MAIN QUAD R-403A	V				16.00	SG	N/A	
	5222 D 601 2	42 MAIN QUAD R-403A	V				16.00	SG	N/A	
	5223 D 123 2	42 MAIN QUAD R-403A	V				57.63	LO	N/A	
	5224 D 124 2	42 MAIN QUAD R-403A	V				57.63	LO	N/A	
	5225 D 124 2	42 MAIN QUAD R-403A	V				16.00	SG	ADDED 12-95	
	5226 A 195 2	42 MAIN QUAD R-403A	V				16.00	SG		
	5227 A 194 2	42 MAIN QUAD R-403A	V				16.00	SG		
	5228 D 125 2	42 MAIN QUAD R-403A	V				16.00	SG		
	5229 D 597 2	42 MAIN QUAD R-403A	V				16.00	SG		
	5230 C 418 2	42 MAIN QUAD R-403A	V				57.63	LO	N/A	
	5231 C 496 2	42 MAIN QUAD R-403A	V				16.00	SG	N/A	
	5232 D 593 2	42 MAIN QUAD R-403A	V				16.00	SG	N/A	
0424	UNIT B									
	5238 C 597 2	42 MAIN QUAD R-403B	V				16.00	SG	N/A	
	5240 D 147 2	42 MAIN QUAD R-403B	V				16.00	SG	N/A	
	5241 D 153 2	42 MAIN QUAD R-403B	V				16.00	SG	N/A	
	5242 D 606 2	42 MAIN QUAD R-403B	V				57.63	LO	N/A	
	5243 D 126 2	42 MAIN QUAD R-403B	V				57.63	LO	N/A	
	5244 D 127 2	42 MAIN QUAD R-403B	V				16.00	SG	ADDED 12-95	
	5245 D 127 2	42 MAIN QUAD R-403B	V				16.00	SG		
	5246 A 197 2	42 MAIN QUAD R-403B	V				16.00	SG		
	5247 D 128 2	42 MAIN QUAD R-403B	V				16.00	SG		
	5248 D 602 2	42 MAIN QUAD R-403B	V				16.00	SG		
	5249 D 594 2	42 MAIN QUAD R-403B	V				57.63	LO	N/A	
	5250 D 417 2	42 MAIN QUAD R-403B	V				57.63	LO	N/A	
0425	UNIT C									
	5260 D 141 2	42 MAIN QUAD R-403C	V				16.00	SG	N/A	
	5261 D 146 2	42 MAIN QUAD R-403C	V				16.00	SG	N/A	
	5262 D 612 2	42 MAIN QUAD R-403C	V				57.63	LO	N/A	
	5263 D 130 2	42 MAIN QUAD R-403C	V				57.63	LO	N/A	
	5264 D 130 2	42 MAIN QUAD R-403C	V				16.00	SG	ADDED 12-95	

TABLE 43
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
MAIN QUAD #4

UNIT	DESCRIPTION	STATUS	QUAD	VALVE	TYPE	DATE	TIME	LOCATION	STATUS	REMARKS				
0431 MAIN GAS BLOCKING VALVES														
5300	D 623	2	43	MAIN QUAD	R-404A	V		UNDERFIRE GAS COLD SEPARATOR BLOCK VALVE	LO	57.63	L	Y	MIU	LO WASH
5301	D 622	2	43	MAIN QUAD	R-404A	V		DOWNRIVER GAS COLD SEPARATOR BLOCK VALVE	LO	57.63	L	Y	MIU	LO WASH
5302	D 621	2	43	MAIN QUAD	R-404A	V		SUB GAS COLD SEPARATOR BLOCKING VALVE	LO	57.63	L	Y	MIU	LO WASH
5303	D 626	2	43	MAIN QUAD	R-404B	V		UNDERFIRE GAS COLD SEPARATOR BLOCK VALVE	LO	57.63	L	Y	MIU	LO WASH
5304	D 625	2	43	MAIN QUAD	R-404B	V		DOWNRIVER GAS COLD SEPARATOR BLOCK VALVE	LO	57.63	L	Y	MIU	LO WASH
5305	D 624	2	43	MAIN QUAD	R-404B	V		SUB GAS COLD SEPARATOR BLOCKING VALVE	LO	57.63	L	Y	MIU	LO WASH
5306	D 629	2	43	MAIN QUAD	R-404C	V		UNDERFIRE GAS COLD SEPARATOR BLOCK VALVE	LO	57.63	L	Y	MIU	LO WASH
5307	D 628	2	43	MAIN QUAD	R-404C	V		DOWNRIVER GAS COLD SEPARATOR BLOCK VALVE	LO	57.63	L	Y	MIU	LO WASH
5308	D 627	2	43	MAIN QUAD	R-404C	V		SUB GAS COLD SEPARATOR BLOCKING VALVE	LO	57.63	L	Y	MIU	LO WASH
5309	D 632	2	43	MAIN QUAD	R-404D	V		UNDERFIRE GAS COLD SEPARATOR BLOCK VALVE	LO	57.63	L	Y	MIU	LO WASH
5310	D 631	2	43	MAIN QUAD	R-404D	V		DOWNRIVER GAS COLD SEPARATOR BLOCK VALVE	LO	57.63	L	Y	MIU	LO WASH
5311	D 630	2	43	MAIN QUAD	R-404D	V		SUB GAS COLD SEPARATOR BLOCKING VALVE	LO	57.63	L	Y	MIU	LO WASH
0432 SUB GAS MANIFOLD / NITROGEN														
5315	D 015	2	43	MAIN QUAD	QUAD 4	V		SUB GAS HEADER CLEANOUT VALVE	SG	16.00	GV	N	N/A	
5316	C 472	2	43	MAIN QUAD	QUAD 4	V		BLOCKING VALVE NITROGEN PURGE	SG	16.00	GV	Y	N/A	
5317	C 473	2	43	MAIN QUAD	QUAD 4	V		BLOCKING VALVE SUB GAS VACUUM LINE	SG	16.00	GV	Y	N/A	
5318	C 474	2	43	MAIN QUAD	QUAD 4	V		CLEAN OUT VALVE SUB GAS VACUUM LINE	SG	16.00	GV	Y	N/A	
5319	C 475	2	43	MAIN QUAD	QUAD 4	V		BLEED VALVE SUB GAS VACUUM LINE	SG	16.00	GV	Y	N/A	
0433 UNIT A														
5320	D 219	2	43	MAIN QUAD	R-404A	V		RAW GAS VALVE	SG	16.00	G	Y	Q	
5321	D 218	2	43	MAIN QUAD	R-404A	V		TOP PRESSURE TAP VALVE	SG	16.00	G	Y	Q	
5322	D 206	2	43	MAIN QUAD	R-404A	V		TOP PRESSURE TAP VALVE	SG	16.00	G	Y	Q	ADDED 12-95
5323	D 207	2	43	MAIN QUAD	R-404D	PD		TOP PRESSURE TRANSDUCER	SG	16.00	G	Y	Q	
5324	D 208	2	43	MAIN QUAD	R-404D	G		TOP PRESSURE GAUGE	SG	16.00	G	Y	Q	
5325	D 217	2	43	MAIN QUAD	R-404A	V		DOWNRIVER GAS VALVE	SG	16.00	G	Y	Q	
5326	D 637	2	43	MAIN QUAD	R-404A	V		TOP LEVEL SOUTH PRESSURE TAP	LO	57.63	L	N	A	
5327	D 184	2	43	MAIN QUAD	R-404A	V		TOP LEVEL SOUTH PRESSURE TAP EXTENDED	LO	57.63	L	Y	Q	ADDED 12-95
5328	D 189	2	43	MAIN QUAD	R-404A	V		UNDERFIRE GAS VALVE	SG	16.00	G	Y	Q	
5329	D 189	2	43	MAIN QUAD	R-404A	V		SUB GAS VALVE	SG	16.00	G	Y	Q	
5330	D 641	2	43	MAIN QUAD	R-404A	V		TOP LEVEL NORTH STEAM VALVE	LO	57.63	L	Y	Q	
5331	D 405	2	43	MAIN QUAD	R-404A	VT		RELIEF VALVE	SG	16.00	G	Y	Q	
5333	D 019	2	43	MAIN QUAD	R-404A	V		MID LEVEL PRESSURE TAP VALVE	SG	16.00	G	Y	Q	
5334	D 633	2	43	MAIN QUAD	R-404A	V		LOW LEVEL PRESSURE TAP COLD	LO	57.63	L	N	MIU	LO WASH
0434 UNIT B														
5340	D 216	2	43	MAIN QUAD	R-404B	V		RAW GAS VALVE	SG	16.00	G	Y	Q	
5341	D 215	2	43	MAIN QUAD	R-404B	V		TOP PRESSURE TAP VALVE	SG	16.00	G	Y	Q	
5342	D 209	2	43	MAIN QUAD	R-404D	V		TOP PRESSURE TAP VALVE	SG	16.00	G	Y	Q	
5343	D 211	2	43	MAIN QUAD	R-404C	PD		TOP PRESSURE TRANSDUCER	SG	16.00	G	Y	Q	
5344	D 214	2	43	MAIN QUAD	R-404B	V		DOWNRIVER GAS VALVE	SG	16.00	G	Y	Q	
5345	D 642	2	43	MAIN QUAD	R-404B	V		TOP LEVEL SOUTH PRESSURE TAP	LO	57.63	L	N	A	
5346	D 195	2	43	MAIN QUAD	R-404B	V		TOP LEVEL SOUTH PRESSURE TAP EXTENDED	LO	57.63	L	Y	Q	
5348	D 190	2	43	MAIN QUAD	R-404B	V		UNDERFIRE GAS VALVE	SG	16.00	G	Y	Q	
5349	D 646	2	43	MAIN QUAD	R-404B	V		SUB GAS VALVE	SG	16.00	G	Y	Q	
5350	D 404	2	43	MAIN QUAD	R-404B	V		TOP LEVEL NORTH STEAM VALVE	LO	57.63	L	N	A	
5352	D 018	2	43	MAIN QUAD	R-404B	VT		RELIEF VALVE	SG	16.00	G	Y	Q	
5353	D 634	2	43	MAIN QUAD	R-404B	V		MID LEVEL PRESSURE TAP VALVE	SG	16.00	G	Y	Q	
5354	D 634	2	43	MAIN QUAD	R-404B	V		LOW LEVEL PRESSURE TAP COLD	LO	57.63	L	N	MIU	LO WASH
0435 UNIT C														
5360	D 213	2	43	MAIN QUAD	R-404C	V		RAW GAS VALVE	SG	16.00	G	Y	Q	
5361	D 212	2	43	MAIN QUAD	R-404C	V		TOP PRESSURE TAP VALVE	SG	16.00	G	Y	Q	
5362	D 212	2	43	MAIN QUAD	R-404C	V		TOP PRESSURE TAP VALVE	SG	16.00	G	Y	Q	ADDED 12-95

5363	2	43	MAIN QUAD	R-404C	G	TOP PRESSURE GAUGE	TOP #C	SG	16.00	G	Y	Q	ADDED 12-95
5364	2	43	MAIN QUAD	R-404C	PD	TOP PRESSURE TRANSDUCER	TOP #C	SG	16.00	G	Y	Q	ADDED 12-95
5365	2	43	MAIN QUAD	R-404C	V	DOWN RIVER GAS VALVE	TOP #C	SG	16.00	G	Y	Q	ADDED 12-95
5366	D 647	2	43	MAIN QUAD	R-404C	V	TOP PRESSURE TAP VALVE	TOP #C	LO	57.63	L	N	A
5367	2	43	MAIN QUAD	R-404C	V	TOP PRESSURE TAP VALVE EXTENSION	TOP #C	LO	57.63	L	Y	Q	ADDED 12-95
5368	D 201	2	43	MAIN QUAD	R-404C	V	UNDER FIRE GAS VALVE	SG	16.00	G	Y	Q	
5369	D 196	2	43	MAIN QUAD	R-404C	V	SUB GAS VALVE	SG	16.00	G	Y	Q	
5370	D 651	2	43	MAIN QUAD	R-404C	V	TOP LEVEL NORTH STEAM VALVE	LO	57.63	L	N	A	
5372	D 017	2	43	MAIN QUAD	R-404C	V	MID LEVEL PRESSURE TAP VALVE	SG	16.00	G	Y	Q	
5373	D 635	2	43	MAIN QUAD	R-404C	V	LOW LEVEL PRESSURE TAP COLD	LO	57.63	L	N	AIU	LO WASH
5374	D 493	2	43	MAIN QUAD	R-404C	VT	RELIEF VALVE	SG	16.00	G	Y	Q	
0436	UNIT D												
5379	2	43	MAIN QUAD	R-404D	PD	TOP PRESSURE TRANSDUCER	TOP #D	SG	16.00	G	Y	Q	ADDED 12-95
5380	D 210	2	43	MAIN QUAD	R-404D	V	RAW GAS VALVE	SG	16.00	G	Y	Q	
5381	2	43	MAIN QUAD	R-404D	V	TOP PRESSURE TAP VALVE	TOP #D	SG	16.00	G	Y	Q	
5382	2	43	MAIN QUAD	R-404D	V	TOP PRESSURE TAP VALVE	TOP #D	SG	16.00	G	Y	Q	ADDED 12-95
5383	2	43	MAIN QUAD	R-404D	G	TOP PRESSURE TAP GAUGE	TOP #D	SG	16.00	G	Y	Q	ADDED 12-95
5384	D 652	2	43	MAIN QUAD	R-404D	V	TOP SOUTH STEAM	LO	57.63	L	N	A	
5385	2	43	MAIN QUAD	R-404D	V	TOP SOUTH STEAM EXTENSION	TOP #D	LO	57.63	L	Y	Q	
5386	D 202	2	43	MAIN QUAD	R-404D	V	UNDERFIRE GAS VALVE	SG	16.00	G	Y	Q	
5387	D220	2	43	MAIN QUAD	R-404D	V	SUB GAS VALVE	SG	16.00	G	Y	Q	
5388	D 656	2	43	MAIN QUAD	R-404D	V	TOP LEVEL NORTH STEAM VALVE	LO	57.63	L	N	A	
5389	D 402	2	43	MAIN QUAD	R-404D	VT	RELIEF VALVE	SG	16.00	G	Y	Q	
5391	D 016	2	43	MAIN QUAD	R-404D	V	MID LEVEL PRESSURE TAP VALVE	SG	16.00	G	Y	Q	
5392	D 636	2	43	MAIN QUAD	R-404D	V	LOW LEVEL PRESSURE TAP COLD	LO	57.63	L	N	AIU	LO WASH

TABLE 44
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
MAIN QUAD NO. 5

UNIT	DESCRIPTION	TYPE	LOCATION	STATUS	DATE	TIME	REMARKS	
0441	MAIN GAS BLOCKING VALVES							
	5400 D 661	2	44	MAIN QUAD R-405A	V		SUB GAS COLD SEPARATOR BLOCKING VALVE	
	5401 D 662	2	44	MAIN QUAD R-405A	V		DOWNRIVER GAS COLD SEPARATOR BLOCKING VALVE	
	5402 D 663	2	44	MAIN QUAD R-405A	V		UNDERFIRE GAS COLD SEPARATOR BLOCKING VALVE	
	5403 D 664	2	44	MAIN QUAD R-405B	V		SUB GAS COLD SEPARATOR BLOCKING VALVE	
	5404 D 665	2	44	MAIN QUAD R-405B	V		DOWNRIVER GAS COLD SEPARATOR BLOCKING VALVE	
	5405 D 666	2	44	MAIN QUAD R-405B	V		UNDERFIRE GAS COLD SEPARATOR BLOCKING VALVE	
	5406 D 667	2	44	MAIN QUAD R-405C	V		SUB GAS COLD SEPARATOR BLOCKING VALVE	
	5407 D 668	2	44	MAIN QUAD R-405C	V		DOWNRIVER GAS COLD SEPARATOR BLOCKING VALVE	
	5408 D 669	2	44	MAIN QUAD R-405C	V		UNDERFIRE GAS COLD SEPARATOR BLOCKING VALVE	
	5409 D 670	2	44	MAIN QUAD R-405D	V		SUB GAS COLD SEPARATOR BLOCKING VALVE	
0442	MAIN GAS MANIFOLD (NITROGEN)							
	5410 D 671	2	44	MAIN QUAD R-405D	V		DOWNRIVER GAS COLD SEPARATOR BLOCKING VALVE	
	5411 D 672	2	44	MAIN QUAD R-405D	V		UNDERFIRE GAS COLD SEPARATOR BLOCKING VALVE	
	5415 C 500	2	44	MAIN QUAD QUAD 5	V		SUB GAS HEADER CLEANOUT VALVE	
	5416 C 487	2	44	MAIN QUAD QUAD 5	V		BLOCKING VALVE SUB GAS VACUUM LINE	
	5417 C 486	2	44	MAIN QUAD QUAD 5	V		BLOCKING VALVE NITROGEN PURGE	
	5418 C 488	2	44	MAIN QUAD QUAD 5	V		CLEAN OUT VALVE SUB GAS VACUUM LINE	
	5419 C 489	2	44	MAIN QUAD QUAD 5	V		BLEED VALVE SUB GAS VACUUM LINE	
	0443	UNIT A						
		5420 D 299	2	44	MAIN QUAD R-405A	V		RAW GAS VALVE
		5421 D 414	2	44	MAIN QUAD R-405A	V		CLEANOUT VALVE ON TOP ACCESS HOLE
5422 D 297		2	44	MAIN QUAD R-405A	V		DOWNRIVER GAS VALVE	
5423 D 681		2	44	MAIN QUAD R-405A	V		TOP LEVEL NORTH PRESSURE TAP	
5424							TOP LEVEL NORTH PRESSURE TAP EXTENSION	
5425 D 342		2	44	MAIN QUAD R-405A	V		UNDERFIRE GAS VALVE	
5426 D 338		2	44	MAIN QUAD R-405A	V		TOP PRESSURE TAP	
5427 D 339		2	44	MAIN QUAD R-405A	V		TOP PRESSURE TAP	
5428 D 341		2	44	MAIN QUAD R-405A	V		TOP PRESSURE TRANSDUCER	
5429 D 340		2	44	MAIN QUAD R-405A	V		TOP PRESSURE TRANSDUCER	
0444	UNIT B							
	5430 D 337	2	44	MAIN QUAD R-405A	V		SUB GAS VALVE	
	5431 D 677	2	44	MAIN QUAD R-405A	V		TOP LEVEL SOUTH STEAM VALVE	
	5432 D 413	2	44	MAIN QUAD R-405A	V		RELIEF VALVE	
	5434 D 001	2	44	MAIN QUAD R-405A	V		MID LEVEL PRESSURE TAP VALVE	
	5435 D 673	2	44	MAIN QUAD R-405A	V		LOW LEVEL PRESSURE TAP COLD	
	5440 D 305	2	44	MAIN QUAD R-405B	V		RAW GAS VALVE	
	5441 D 300	2	44	MAIN QUAD R-405B	V		DOWNRIVER GAS VALVE	
	5442 D 686	2	44	MAIN QUAD R-405B	V		TOP LEVEL NORTH PRESSURE TAP	
	5443						TOP LEVEL NORTH PRESSURE TAP EXTENSION	
	5444 D 336	2	44	MAIN QUAD R-405B	V		UNDERFIRE GAS VALVE	
5445 D 335	2	44	MAIN QUAD R-405B	V		TOP PRESSURE TAP VALVE		
5446 D 333	2	44	MAIN QUAD R-405B	V		TOP PRESSURE VALVE		
5447 D 334	2	44	MAIN QUAD R-405B	V		TOP PRESSURE GAUGE		
5448 D 332	2	44	MAIN QUAD R-405B	G		TOP PRESSURE TRANSDUCER		
5449 D 331	2	44	MAIN QUAD R-405B	V		SUB GAS VALVE		
5450 D 682	2	44	MAIN QUAD R-405B	V		TOP LEVEL SOUTH STEAM VALVE		
5452 D 602	2	44	MAIN QUAD R-405B	V		MID LEVEL PRESSURE TAP VALVE		
5453 D 674	2	44	MAIN QUAD R-405B	V		LOW LEVEL PRESSURE TAP COLD		
5454 D 412	2	44	MAIN QUAD R-405B	V		RELIEF VALVE		
5460 D 311	2	44	MAIN QUAD R-405C	V		RAW GAS VALVE		

5461	D	306	2	44	MAIN QUAD	R-405C	V	DOWN RIVER GAS VALVE	TOP #C	SG	16.00	G	Y	Q	
5462	D	691	2	44	MAIN QUAD	R-405C	V	TOP LEVEL NORTH PRESSURE TAP VALVE	TOP #C	LO	57.63	L	N	A	
5463					MAIN QUAD	R-405-C	V	TOP LEVEL NORTH PRESSURE TAP EXTENSION	TOP #C	LO	57.63	L	Y	Q	ADDED 12-95
5464	D	330	2	44	MAIN QUAD	R-405C	V	UNDERFIRE GAS VALVE	TOP #C	SG	16.00	G	Y	Q	
5465	D	329	2	44	MAIN QUAD	R-405C	V	TOP LEVEL NORTH PRESSURE TAP VALVE	TOP #C	SG	16.00	G	Y	Q	
5466	D	328	2	44	MAIN QUAD	R-405C	V	TOP PRESSURE TAP VALVE	TOP #C	SG	16.00	G	Y	Q	
5467	D	326	2	44	MAIN QUAD	R-405C	G	TOP PRESSURE GAUGE	TOP #C	SG	16.00	G	Y	Q	
5468	D	325	2	44	MAIN QUAD	R-405C	V	SUB GAS VALVE	TOP #C	SG	16.00	G	Y	Q	
5469	D	327	2	44	MAIN QUAD	R-405C	PD	TOP PRESSURE TRANSDUCER	TOP #C	SG	16.00	G	Y	Q	
5470	D	687	2	44	MAIN QUAD	R-405C	V	TOP LEVEL SOUTH STEAM VALVE	TOP #C	LO	57.63	L	N	A	
5471	D	411	2	44	MAIN QUAD	R-405C	V	RELIEF VALVE	TOP #C	SG	16.00	G	Y	Q	
5473	D	003	2	44	MAIN QUAD	R-405C	V	MID LEVEL PRESSURE TAP VALVE	TOP #C	SG	16.00	G	Y	Q	
5474	D	675	2	44	MAIN QUAD	R-405-C	V	LOW LEVEL PRESSURE TAP COLD	TOP #C	LO	57.63	L	N	AIU	LO WASH
0446 UNIT D															
5480	D	318	2	44	MAIN QUAD	R-405D	V	RAW GAS VALVE	TOP #D	SG	16.00	G	Y	Q	
5481	D	312	2	44	MAIN QUAD	R-405D	V	DOWN RIVER GAS VALVE	TOP #D	SG	16.00	G	Y	Q	
5482	D	696	2	44	MAIN QUAD	R-405D	V	TOP LEVEL NORTH PRESSURE TAP	TOP #D	LO	57.63	L	N	A	
5483					MAIN QUAD	R-405D	V	TOP LEVEL NORTH PRESSURE TAP EXTENSION	TOP #D	LO	57.63	L	Y	Q	ADDED 12-95
5484	D	323	2	44	MAIN QUAD	R-405D	V	UNDERFIRE GAS VALVE	TOP #D	SG	16.00	G	Y	Q	
5485	D	324	2	44	MAIN QUAD	R-405D	V	TOP LEVEL NORTH PRESSURE TAP	TOP #D	LO	57.63	L	Y	Q	
5486	D	322	2	44	MAIN QUAD	R-405D	V	TOP PRESSURE TAP VALVE	TOP #D	SG	16.00	G	Y	Q	
5487	D	320	2	44	MAIN QUAD	R-405D	G	TOP PRESSURE GAUGE	TOP #D	SG	16.00	G	Y	Q	
5488	D	321	2	44	MAIN QUAD	R-405D	PD	TOP PRESSURE TRANSDUCER	TOP #D	SG	16.00	G	Y	Q	
5489	D	319	2	44	MAIN QUAD	R-405D	V	SUB GAS VALVE	TOP #D	SG	16.00	G	Y	Q	
5490	D	692	2	44	MAIN QUAD	R-405D	V	TOP SOUTH STEAM VALVE	TOP #D	LO	57.63	L	N	A	
5491	D	410	2	44	MAIN QUAD	R-405D	VT	RELIEF VALVE	TOP #D	SG	16.00	G	Y	Q	
5493	D	676	2	44	MAIN QUAD	R-405D	V	LOW LEVEL PRESSURE TAP COLD	TOP #D	LO	57.63	L	N	AIU	LO WASH
5494					MAIN QUAD	R-405C	V	MID LEVEL PRESSURE TAP VALVE	TOP #C	SG	15.00	G	Y	Q	

5563	D	234	2	45	MAIN QUAD	R-406C	G	TOP PRESSURE GAUGE	TOP #C	SG	16.00	G	Y	Q
5564	D	235	2	45	MAIN QUAD	R-406C	PD	TOP PRESSURE TRANSDUCER	TOP #C	SG	16.00	G	Y	Q
5565	D	237	2	45	MAIN QUAD	R-406C	V	DOWN RIVER GAS VALVE	TOP #C	SG	16.00	G	Y	Q
5566	D	727	2	45	MAIN QUAD	R-406C	V	TOP LEVEL SOUTH PRESSURE TAP	TOP #C	LO	57.63	L	N	A
5567	D		2	45	MAIN QUAD	R-406C	V	TOP LEVEL SOUTH PRESSURE TAP EXTENSION	TOP #C	LO	57.63	L	Y	Q
5568	D	253	2	45	MAIN QUAD	R-406C	V	UNDER FIRE GAS VALVE	TOP #C	SG	16.00	G	Y	Q
5569	D	258	2	45	MAIN QUAD	R-406C	V	SUB GAS VALVE	TOP #C	SG	16.00	G	Y	Q
5570	D	731	2	45	MAIN QUAD	R-406C	V	TOP LEVEL NORTH STEAM TAP	TOP #C	LO	57.63	L	N	A
5571	D	397	2	45	MAIN QUAD	R-406C	V	RELIEF VALVE	TOP #C	SG	16.00	G	Y	Q
5573	D	013	2	45	MAIN QUAD	R-406C	V	MID LEVEL PRESSURE TAP VALVE	TOP #C	SG	16.00	G	Y	Q
5574	D	715	2	45	MAIN QUAD	R-406C	V	LOW LEVEL PRESSURE TAP COLD	TOP #C	LO	57.63	L	N	AIU
0455 UNIT D														
5580	D	240	2	45	MAIN QUAD	R-406D	V	RAW GAS VALVE	TOP #D	SG	16.00	G	Y	Q
5581	D	244	2	45	MAIN QUAD	R-406D	V	TOP PRESSURE TAP VALVE	TOP #D	SG	16.00	G	Y	Q
5582	D	243	2	45	MAIN QUAD	R-406D	V	TOP PRESSURE TAP VALVE	TOP #D	SG	16.00	G	Y	Q
5583	D	242	2	45	MAIN QUAD	R-406D	PD	TOP PRESSURE TRANSDUCER	TOP #D	SG	16.00	G	Y	Q
5584	D	245	2	45	MAIN QUAD	R-406D	V	DOWN RIVER GAS VALVE	TOP #D	SG	16.00	G	Y	Q
5585	D	732	2	45	MAIN QUAD	R-406D	V	TOP SOUTH PRESSURE TAP	TOP #D	LO	57.63	L	N	A
5586	D	246	2	45	MAIN QUAD	R-406D	V	UNDER FIRE GAS VALVE	TOP #D	SG	16.00	G	Y	Q
5587	D	252	2	45	MAIN QUAD	R-406D	V	SUB GAS VALVE	TOP #D	SG	16.00	G	Y	Q
5588	D	736	2	45	MAIN QUAD	R-406D	V	TOP LEVEL NORTH STEAM VALVE	TOP #D	LO	57.63	L	N	A
5589	D	396	2	45	MAIN QUAD	R-406D	VT	RELIEF VALVE	TOP #D	SG	16.00	G	Y	Q
5591	D	014	2	45	MAIN QUAD	R-406D	V	MID LEVEL PRESSURE TAP VALVE	TOP #D	SG	16.00	G	Y	Q
5592	D	716	2	45	MAIN QUAD	R-406D	V	LOW LEVEL PRESSURE TAP COLD	TOP #D	LO	57.63	L	N	AIU

TABLE 46
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
MAIN QUAD NO. 7

0451 MAIN GAS BLOCKING VALVES														
5600	D	750	2	46	MAIN QUAD	R-407D	V	SUB GAS COLD SEPARATOR BLOCKING VALVE	LO	57.63	L	Y	MIU	LO WASH
5601	D	751	2	46	MAIN QUAD	R-407D	V	DOWNRIVER GAS COLD SEPARATOR BLOCK VALVE	LO	57.63	L	Y	MIU	LO WASH
5602	D	752	2	46	MAIN QUAD	R-407D	V	UNDERFIRE GAS COLD SEPARATOR BLOCK VALVE	LO	57.63	L	Y	MIU	LO WASH
5603	D	747	2	46	MAIN QUAD	R-407C	V	SUB GAS COLD SEPARATOR BLOCKING VALVE	LO	57.63	L	Y	MIU	LO WASH
5604	D	748	2	46	MAIN QUAD	R-407C	V	DOWNRIVER GAS COLD SEPARATOR BLOCK VALVE	LO	57.63	L	Y	MIU	LO WASH
5605	D	749	2	46	MAIN QUAD	R-407C	V	UNDERFIRE GAS COLD SEPARATOR BLOCK VALVE	LO	57.63	L	Y	MIU	LO WASH
5606	D	744	2	46	MAIN QUAD	R-407B	V	SUB GAS COLD SEPARATOR BLOCKING VALVE	LO	57.63	L	Y	MIU	LO WASH
5607	D	745	2	46	MAIN QUAD	R-407B	V	DOWNRIVER GAS COLD SEPARATOR BLOCK VALVE	LO	57.63	L	Y	MIU	LO WASH
5608	D	746	2	46	MAIN QUAD	R-407B	V	UNDERFIRE GAS COLD SEPARATOR BLOCK VALVE	LO	57.63	L	Y	MIU	LO WASH
5609	D	741	2	46	MAIN QUAD	R-407A	V	SUB GAS COLD SEPARATOR BLOCKING VALVE	LO	57.63	L	Y	MIU	LO WASH
5610	D	742	2	46	MAIN QUAD	R-407A	V	DOWNRIVER GAS COLD SEPARATOR BLOCK VALVE	LO	57.63	L	Y	MIU	LO WASH
5611	D	743	2	46	MAIN QUAD	R-407A	V	UNDERFIRE GAS COLD SEPARATOR BLOCK VALVE	LO	57.63	L	Y	MIU	LO WASH
0452 SUB GAS MANIFOLD / NITROGEN														
5615	D	005	2	46	MAIN QUAD	QUAD 7	V	SUB GAS HEADER CLEAN OUT VALVE	SG	16.00	GV	N	N/A	
5616	C	485	2	46	MAIN QUAD	QUAD 7	V	BLOCKING VALVE SUB GAS VACUUM LINE	SG	16.00	GV	Y	N/A	
5617	C	484	2	46	MAIN QUAD	QUAD 7	V	BLOCKING VALVE NITROGEN PURGE	SG	16.00	GV	Y	N/A	
0463 UNIT A														
5620	D	356	2	46	MAIN QUAD	R-407A	V	RAW GAS VALVE	SG	16.00	G	Y	Q	
5621	D	359	2	46	MAIN QUAD	R-407A	V	DOWN RIVER GAS VALVE	SG	16.00	G	Y	Q	
5622	D	360	2	46	MAIN QUAD	R-407A	V	UNDERFIRE GAS VALVE	SG	16.00	G	Y	Q	
5623	D	363	2	46	MAIN QUAD	R-407A	V	TOP PRESSURE TAP VALVE	SG	16.00	G	Y	Q	
5624	D	362	2	46	MAIN QUAD	R-407A	PD	TOP PRESSURE TRANSDUCER	SG	16.00	G	Y	Q	
5625	D	361	2	46	MAIN QUAD	R-407A	V	TOP PRESSURE TAP VALVE	SG	16.00	G	Y	Q	
5626	D	364	2	46	MAIN QUAD	R-407A	V	SUB GAS VALVE	SG	16.00	G	Y	Q	
5627	D	772	2	46	MAIN QUAD	R-407A	V	TOP SOUTH STEAM VALVE	SG	16.00	G	Y	Q	
5629	D	006	2	46	MAIN QUAD	R-407A	V	MID LEVEL PRESSURE TAP VALVE	LO	57.63	L	N	A	
5630	D	756	2	46	MAIN QUAD	R-407A	V	LOW LEVEL PRESSURE TAP COLD	SG	16.00	G	Y	Q	
5631	D	395	2	46	MAIN QUAD	R-407A	VT	RELIEF VALVE	LO	57.63	L	N	MIU	LO WASH
0464 UNIT B														
5640	D	352	2	46	MAIN QUAD	R-407B	V	RAW GAS VALVE	SG	16.00	G	Y	Q	
5641	D	355	2	46	MAIN QUAD	R-407B	V	DOWN RIVER GAS VALVE	SG	16.00	G	Y	Q	
5642	D	365	2	46	MAIN QUAD	R-407B	V	UNDERFIRE GAS VALVE	SG	16.00	G	Y	Q	
5643	D	366	2	46	MAIN QUAD	R-407B	V	TOP PRESSURE TAP VALVE	SG	16.00	G	Y	Q	
5644	D	367	2	46	MAIN QUAD	R-407B	V	TOP PRESSURE TRANSDUCER	SG	16.00	G	Y	Q	
5645	D	368	2	46	MAIN QUAD	R-407B	V	TOP PRESSURE TAP VALVE	SG	16.00	G	Y	Q	
5646	D	369	2	46	MAIN QUAD	R-407B	V	SUB GAS VALVE	SG	16.00	G	Y	Q	
5647	D	767	2	46	MAIN QUAD	R-407B	V	TOP LEVEL SOUTH STEAM VALVE	SG	16.00	G	Y	Q	
5648	D	394	2	46	MAIN QUAD	R-407B	V	RELIEF VALVE	LO	57.63	L	N	A	
5650	D	007	2	46	MAIN QUAD	R-407B	V	MID LEVEL PRESSURE TAP VALVE	SG	16.00	G	Y	Q	
5651	D	755	2	46	MAIN QUAD	R-407B	V	LOW LEVEL PRESSURE TAP COLD	LO	57.63	L	N	A	
0465 UNIT C														
5660	D	346	2	46	MAIN QUAD	R-407C	V	RAW GAS VALVE	SG	16.00	G	Y	Q	
5661	D	351	2	46	MAIN QUAD	R-407C	V	DOWN RIVER GAS VALVE	SG	16.00	G	Y	Q	
5662	D	370	2	46	MAIN QUAD	R-407C	V	UNDERFIRE GAS VALVE	SG	16.00	G	Y	Q	
5663	D	371	2	46	MAIN QUAD	R-407C	V	TOP PRESSURE TAP VALVE	SG	16.00	G	Y	Q	
5664	D	373	2	46	MAIN QUAD	R-407C	V	TOP PRESSURE TAP VALVE	SG	16.00	G	Y	Q	
5665	D	372	2	46	MAIN QUAD	R-407C	PD	TOP PRESSURE TRANSDUCER	SG	16.00	G	Y	Q	
5666	D	372	2	46	MAIN QUAD	R-407C	V	TOP PRESSURE TAP VALVE	SG	16.00	G	Y	Q	
5667	D	782	2	46	MAIN QUAD	R-407C	V	SUB GAS VALVE	SG	16.00	G	Y	Q	
5669	D	008	2	46	MAIN QUAD	R-407C	V	TOP LEVEL SOUTH STEAM VALVE	LO	57.63	L	N	A	
5699	D	008	2	46	MAIN QUAD	R-407C	V	MID LEVEL PRESSURE TAP VALVE	SG	16.00	G	Y	Q	

5670 D 754 2 46	MAIN QUAD R-407C	V	LOW LEVEL PRESSURE TAP COLD	LO	57.53	L	N	AIU	LO WASH
5671 D 393 2 46	MAIN QUAD R-407C	VT	RELIEF VALVE	SG	16.00	G	Y	Q	
0456 UNIT D									
5680 D 344 2 46	MAIN QUAD R-407D	V	RAW GAS VALVE	SG	16.00	G	Y	Q	
5681 D 347 2 46	MAIN QUAD R-407D	V	DOWN RIVER GAS VALVE	SG	16.00	G	Y	Q	
5682 D 375 2 46	MAIN QUAD R-407D	V	UNDERFIRE GAS VALVE	SG	16.00	G	Y	Q	
5683 D 376 2 46	MAIN QUAD R-407D	V	TOP PRESSURE TAP VALVE	SG	16.00	G	Y	Q	
5684 D 377 2 46	MAIN QUAD R-407D	PD	TOP PRESSURE TRANSDUCER	SG	16.00	G	Y	Q	
5685 D 378 2 46	MAIN QUAD R-407D	V	TOP PRESSURE TAP VALVE	SG	16.00	G	Y	Q	
5686	MAIN QUAD R-407D	V	SUB GAS VALVE	SG	16.00	G	Y	Q	
5687 D 757 2 46	MAIN QUAD R-407D	V	TOP LEVEL SOUTH STEAM VALVE	LO	57.53	L	N	A	
5688 D 392 2 46	MAIN QUAD R-407D	VT	RELIEF VALVE	SG	16.00	G	Y	Q	
5690 D 009 2 46	MAIN QUAD R-407D	V	MID LEVEL PRESSURE TAP VALVE	SG	16.00	G	Y	Q	
5691 D 753 2 46	MAIN QUAD R-407D	V	LOW LEVEL PRESSURE TAP COLD	LO	57.53	L	N	AIU	LO WASH

TABLE 47
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
LIGHT OIL SEPARATOR AREA

0471 SUB GAS OUT													
6040	F	281	2	47	WATER SEP	D-573	V	SUB GAS OUT BY PASS BLOCKING VALVE	LEVEL 2A	SG	16.00	Y	Q
6041	F	282	2	47	WATER SEP	D-573	V	SUB GAS OUT BLOCKING VALVE	LEVEL 2A	SG	16.00	Y	Q
6042	F	280	2	47	WATER SEP	D-573	V	CLEAN OUT VALVES SUB GAS OUT	LEVEL 2A	SG	16.00	Y	Q
6043	F	279	2	47	WATER SEP	D-573	V	CLEAN OUT VALVES SUB GAS OUT	LEVEL 2A	SG	16.00	Y	Q
6044	F	278	2	47	WATER SEP	D-573	V	CLEAN OUT VALVES SUB GAS OUT	LEVEL 2A	SG	16.00	Y	Q
6045	F	283	2	47	WATER SEP	D-573	V	CLEAN OUT VALVES SUB GAS OUT	LEVEL 2A	SG	16.00	Y	Q
6046	F	411	2	47	WATER SEP	D-573	V	BLOCKING VALVE FOR RELIEF VALVE	LEVEL 2A	SG	16.00	Y	Q
6047	F	412	2	47	WATER SEP	D-573	V	RELIEF VALVE	LEVEL 2A	SG	16.00	Y	Q
6048	F	237	2	47	WATER SEP	D-573	V	CLEAN OUT VALVES SUB GAS OUT	LEVEL 2A	SG	16.00	Y	Q
0472 SIGHT GLASS / LEVEL CONTROL - BOTTOM													
6000	F	370	2	47	WATER SEP	D-573	V	BOTTOM LEVEL CONTROL	GROUND LEVEL	SG	16.00	Y	Q
6001	F	377	2	47	WATER SEP	D-573	V	BOTTOM SIGHT GLASS	GROUND LEVEL	SG	16.00	Y	Q
6002	F	371	2	47	WATER SEP	D-573	V	BOTTOM LEVEL CONTROL STEAM LINE	GROUND LEVEL	SG	16.00	Y	Q
6003	F	375	2	47	WATER SEP	D-573	V	BOTTOM SIGHT GLASS	GROUND LEVEL	SG	16.00	Y	Q
6004	F	376	2	47	WATER SEP	D-573	V	BOTTOM SIGHT GLASS DRAIN	GROUND LEVEL	SG	16.00	Y	Q
0473 SIGHT GLASS / LEVEL CONTROL - TOP													
6030	F	276	2	47	WATER SEP	D-573	V	LEVEL CONTROL TOP VALVE	SECOND LEVEL	LOW	57.63	Y	Q
6031	F	274	2	47	WATER SEP	D-573	V	SIGHT GLASS / LEVEL CONTROL TOP VALVE	SECOND LEVEL	LOW	57.63	Y	Q
6032	F	275	2	47	WATER SEP	D-573	V	SIGHT GLASS / LEVEL CONTROL TOP DRAIN	SECOND LEVEL	LOW	57.63	Y	Q
0474 INJECTION / CONTAMINATED WATER													
6011	F	388	2	47	LO SEP	D-573	V	CONTAMINATED WATER LINE DRAIN BACKUP	GROUND LEVEL	W	nil	Y	N/A
6012	F	382	2	47	LO SEP	D-573	V	CONTAMINATED WATER LINE DRAIN	GROUND LEVEL	W	nil	Y	N/A
6013	F	383	2	47	LO SEP	D-573	V	INJECTION WATER LINE BLOCKING	GROUND LEVEL	W	nil	Y	N/A
6014	F	372	2	47	LO SEP	D-573	V	INJECTION WATER LINE DRAIN	GROUND LEVEL	W	nil	Y	N/A
6015	F	387	2	47	LO SEP	D-573	V	CONTAMINATED WATER LINE DRAIN	GROUND LEVEL	W	nil	Y	N/A
6016	F	384	2	47	LO SEP	D-573	V	CONTAMINATED WATER LINES	GROUND LEVEL	W	nil	Y	N/A
6017	F	385	2	47	LO SEP	D-573	V	CONTAMINATED WATER LINES DRAIN	GROUND LEVEL	W	nil	Y	N/A
6018	F	385	2	47	LO SEP	D-573	V	CONTAMINATED WATER LINES BLOCKING	GROUND LEVEL	W	nil	Y	N/A
6019	F	385	2	47	LO SEP	D-573	V	CONTAMINATED WATER LINES DRAIN	GROUND LEVEL	W	nil	Y	N/A
6020	F	385	2	47	LO SEP	D-573	V	CONTAMINATED WATER LINES DRAIN BACKUP	GROUND LEVEL	W	nil	Y	N/A
0475 DISCHARGE TO DECANTERS													
6005	F	378	2	47	LO SEP	5730B	V	CONTROL STATION DUMP LINE	GROUND LEVEL	LO	57.63	Y	Q
6006	F	379	2	47	LO SEP	5730B	V	CONTROL VALVE DUMP LINE	GROUND LEVEL	LO	57.63	Y	Q
6007	F	380	2	47	LO SEP	5730B	V	CONTROL STATION DUMP LINE CONTROL VALVE	GROUND LEVEL	LO	57.63	Y	Q
6008	F	386	2	47	LO SEP	5730B	V	CONTROL STATION DUMP BLOCK VALVE	GROUND LEVEL	LO	57.63	Y	Q
6009	F	386	2	47	LO SEP	5730B	V	DUMP VALVE BYPASS	GROUND LEVEL	LO	57.63	Y	Q
0476 SUB GAS IN													
6049	F	273	2	47	WATER SEP	D-573	V	RELIEF VALVE	LEVEL 2A	SG	16.00	N	A
6050	F	271	2	47	WATER SEP	D-573	V	SUB GAS INLET PRESSURE TAP	LEVEL 2A	SG	16.00	N	A
6051	F	272	2	47	WATER SEP	D-573	V	PRESSURE GAUGE	LEVEL 2A	SG	16.00	N	A
OTHER													
6034	F	373	2	47	WATER SEP		V	WATER SEPARATOR PRESSURE TAP VALVE	SECOND LEVEL	LOW	57.63	Y	Q
													NEW 12/95
													NEW 12/85

6134 E 036 2 48 COOLER E-629 V OUTLET COOLER MANIFOLD CLEANOUT VALVE DISCHRG END SG 16.00 G N A

TABLE 50
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
SUB GAS AMMONIA COOLERS

0501	COOLER IN																	
	6300	E	212	2	50	COOLER	E-635	V	INLET BLOCKING VALVE	ENTRY END	SG	16.00	G	Y	Q			
	6301	E	213	2	50	COOLER	E-635	V	INLET CLEANOUT VALVE	ENTRY END	SG	16.00	G	Y	Q			
	6302			2	50	COOLER	E-635	V	INLET CLEANOUT VALVE	ENTRY END	SG	16.00	G	Y	Q			NEW 12-95
	6303			2	50	COOLER	E-635	V	INLET CLEANOUT VALVE	ENTRY END	SG	16.00	G	Y	Q			NEW 12-95
	6304	E	216	2	50	COOLER	E-637	V	INLET CLEANOUT VALVE	ENTRY END	SG	16.00	G	Y	Q			
	6305			2	50	COOLER	E-637	V	INLET CLEANOUT VALVE	ENTRY END	SG	16.00	G	Y	Q			
	6306	E	219	2	50	COOLER	E-638	V	INLET CLEANOUT VALVE	ENTRY END	SG	16.00	G	Y	Q			NEW 12-95
	6307	E	220	2	50	COOLER	E-638	V	INLET CLEANOUT VALVE	ENTRY END	SG	16.00	G	Y	Q			
	0502	COOLER OUT																
	6308	E	221	2	50	COOLER	E-638	V	OUTLET CLEANOUT VALVE	DISCHRG END	SG	15.00	G	Y	Q			
	6309	E	222	2	50	COOLER	E-638	V	OUTLET BLOCKING VALVE	DISCHRG END	SG	16.00	G	Y	Q			
	6310	E	217	2	50	COOLER	E-637	V	OUTLET CLEANOUT VALVE	DISCHRG END	SG	16.00	G	Y	Q			
	6311			2	50	COOLER	E-637	V	OUTLET CLEANOUT VALVE	DISCHRG END	SG	16.00	G	Y	Q			NEW 12-95
	6312	E	214	2	50	COOLER	E-635	V	OUTLET BLOCKING VALVE	DISCHRG END	SG	16.00	G	Y	Q			
	6313	E	215	2	50	COOLER	E-635	V	OUTLET CLEANOUT VALVE	DISCHRG END	SG	16.00	G	Y	Q			

TABLE 52
 REGISTRATION OF COMPONENTS IN BENZENE SERVICE
 VACUUM MACHINE HEADERS

6500	C	247	2	52	HEADER	V	VAC MACHINE INLET MANIFOLD BLOCKING	IN INACCESSIBL	SG	16.00	GV	N	N/A	ABOUT 15 FT ABOVE GROUND
6501	C	248	2	52	HEADER	V	VAC MACHINE INLET MANIFOLD BLOCKING	IN INACCESSIBL	SG	16.00	GV	N	N/A	ABOUT 15 FT ABOVE GROUND
6502	C	249	2	52	HEADER	V	VAC MACHINE INLET MANIFOLD BLOCKING	IN INACCESSIBL	SG	16.00	GV	N	N/A	ABOUT 15 FT ABOVE GROUND
6503	C	250	2	52	HEADER	V	VAC MACHINE INLET MANIFOLD BLOCKING	IN INACCESSIBL	SG	16.00	GV	N	N/A	ABOUT 15 FT ABOVE GROUND
6504	C	251	2	52	HEADER	V	VAC MACHINE INLET MANIFOLD BLOCKING	IN INACCESSIBL	SG	16.00	GV	N	N/A	ABOUT 15 FT ABOVE GROUND
6505	C	252	2	52	HEADER	V	VAC MACHINE INLET MANIFOLD BLOCKING	IN INACCESSIBL	SG	16.00	GV	N	N/A	ABOUT 15 FT ABOVE GROUND
6510	C	236	2	52	HEADER	V	VAC MACHINE EXHAUST MANIFOLD BLOCKING	OUT INACCESSI	SG	16.00	G	N	A	ABOUT 15 FT ABOVE GROUND
6511	C	238	2	52	HEADER	V	VAC MACHINE EXHAUST MANIFOLD BLOCKING	OUT INACCESSI	SG	16.00	G	N	A	ABOUT 15 FT ABOVE GROUND
6512	C	240	2	52	HEADER	V	VAC MACHINE EXHAUST MANIFOLD BLOCKING	OUT INACCESSI	SG	16.00	G	N	A	ABOUT 15 FT ABOVE GROUND
6513	C	242	2	52	HEADER	V	VAC MACHINE EXHAUST MANIFOLD BLOCKING	OUT INACCESSI	SG	16.00	G	N	A	ABOUT 15 FT ABOVE GROUND
6514	C	244	2	52	HEADER	V	VAC MACHINE EXHAUST MANIFOLD BLOCKING	OUT INACCESSI	SG	16.00	G	N	A	ABOUT 15 FT ABOVE GROUND
6515	C	235	2	52	HEADER	V	VAC MACHINE EXHAUST MANIFOLD CLEANOUT	OUT INACCESSI	SG	16.00	G	N	A	ABOUT 15 FT ABOVE GROUND
6516	C	237	2	52	HEADER	V	VAC MACHINE EXHAUST MANIFOLD CLEANOUT	OUT INACCESSI	SG	16.00	G	N	A	ABOUT 15 FT ABOVE GROUND
6517	C	239	2	52	HEADER	V	VAC MACHINE EXHAUST MANIFOLD BLOCKING	OUT INACCESSI	SG	16.00	G	N	A	ABOUT 15 FT ABOVE GROUND
6518	C	241	2	52	HEADER	V	VAC MACHINE EXHAUST MANIFOLD BLOCKING	OUT INACCESSI	SG	16.00	G	N	A	ABOUT 15 FT ABOVE GROUND
6519	C	243	2	52	HEADER	V	VAC MACHINE EXHAUST MANIFOLD BLOCKING	OUT INACCESSI	SG	16.00	G	N	A	ABOUT 15 FT ABOVE GROUND
6520	C	245	2	52	HEADER	V	VAC MACHINE EXHAUST MANIFOLD BLOCKING	OUT INACCESSI	SG	16.00	G	N	A	ABOUT 15 FT ABOVE GROUND

TABLE 53
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
LIGHT OIL REGENERATOR R-582

0531 LIGHT OIL WASH SYSTEM - BOTTOM															
6600	E	147	2	53	LO REGEN	R-582	V	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	57.63	L	N	MIU	LO WASH
6601	E	154	2	53	LO REGEN	R-582	V	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	57.63	L	Y	MIU	LO WASH
6602	E	157	2	53	LO REGEN	R-582	V	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	57.63	L	Y	MIU	LO WASH
6603	E	156	2	53	LO REGEN	R-582	V	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	57.63	L	Y	MIU	LO WASH
6604	E	155	2	53	LO REGEN	R-582	V	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	57.63	L	Y	MIU	LO WASH
6605	E	155	2	53	LO REGEN	R-582	V	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	57.63	L	Y	MIU	LO WASH, ADDED 12-95
6606	E	155	2	53	LO REGEN	R-582	V	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	57.63	L	N	MIU	LO WASH, ADDED 12-95
6607	E	157	2	53	LO REGEN	R-582	V	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	57.63	L	Y	MIU	LO WASH, ADDED 12-95
6608	E	157	2	53	LO REGEN	R-582	V	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	57.63	L	Y	MIU	LO WASH, ADDED 12-95
6609	E	150	2	53	LO REGEN	R-582	V	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	57.63	L	Y	MIU	LO WASH, ADDED 12-95
6610	E	151	2	53	LO REGEN	R-582	V	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	57.63	L	Y	MIU	LO WASH, ADDED 12-95
6611	E	151	2	53	LO REGEN	R-582	V	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	57.63	L	Y	MIU	LO WASH, ADDED 12-95
6612	E	151	2	53	LO REGEN	R-582	V	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	57.63	L	Y	MIU	LO WASH, ADDED 12-95
6613	E	151	2	53	LO REGEN	R-582	V	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	57.63	L	Y	MIU	LO WASH, ADDED 12-95
6614	E	151	2	53	LO REGEN	R-582	V	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	57.63	L	Y	MIU	LO WASH, ADDED 12-95
0532 LIGHT OIL WASH SYSTEM - TOP															
6620	E	069	2	53	LO REGEN	R-582	V	LO WASH SYSTEM VALVE BLOCKING	UPPER MID LEV	LOM	57.63	L	Y	MIU	LO WASH
6621	E	070	2	53	LO REGEN	R-582	V	LO WASH SYSTEM VALVE CLEANOUT	UPPER MID LEV	LOM	57.63	L	Y	MIU	LO WASH
6622	E	071	2	53	LO REGEN	R-582	V	LO WASH SYSTEM VALVE CLEANOUT	UPPER MID LEV	LOM	57.63	L	Y	MIU	LO WASH
6623	E	072	2	53	LO REGEN	R-582	V	LO WASH SYSTEM VALVE CLEANOUT VALVE	UPPER MID LEV	LOM	57.63	L	Y	MIU	LO WASH, ADDED 12-95
6624	E	073	2	53	LO REGEN	R-582	V	LO WASH SYSTEM VALVE BLOCKING	UPPER MID LEV	LOM	57.63	L	Y	MIU	LO WASH
0533 SUB SUB GAS OUT															
6630	E	047	2	53	LO REGEN	R-582	V	SUB SUB GAS OUTLET VALVE BLOCKING	TOP TO MID	SSG	15.00	G	Y	Q	
6631	E	048	2	53	LO REGEN	R-582	V	SUB SUB GAS OUTLET VALVE	UPMID SUB SUB	SSG	15.00	G	Y	Q	ADDED 12-95
6632	E	049	2	53	LO REGEN	R-582	G	SUB SUB GAS PRESSURE GAUGE	UPMID SUB SUB	SSG	15.00	G	Y	Q	ADDED 12-95
6633	E	062	2	53	LO REGEN	R-582	V	SUB SUB GAS VALVE CLEANOUT	UPMID SUB SUB	SSG	15.00	G	Y	Q	
6634	E	063	2	53	LO REGEN	R-582	V	SUB SUB GAS BLOCKING VALVE	UPMID SUB SUB	SSG	15.00	G	Y	Q	
0534 REGENERATOR DIFFERENTIAL PRESSURE															
6640	E	091	2	53	LO REGEN	R-582	V	DIFFERENTIAL PRESSURE TAP VALVES	TOP LEVEL	LO	57.63	L	N	A	
6641	E	132	2	53	LO REGEN	R-582	V	DIFFERENTIAL PRESSURE TAP VALVE	TOP LEVEL	LO	57.63	L	N	A	
6642	E	132	2	53	LO REGEN	R-582	V	DIFFERENTIAL PRESSURE TAP VALVE	TOP LEVEL	LO	57.63	L	Y	Q	ADDED 12-95
6643	E	125	2	53	LO REGEN	R-582	DP	DP TRANSDUCER	TOP LEVEL	LO	57.63	L	Y	Q	ADDED 12-95
6644	E	125	2	53	LO REGEN	R-582	V	DIFFERENTIAL PRESSURE TAP CLEANOUT	TOP LEVEL	LO	57.63	L	Y	Q	ADDED 12-95
6645	E	134	2	53	LO REGEN	R-582	V	DIFFERENTIAL PRESSURE TAP 3 BLOCK VALVE	TOP LEVEL	LO	57.63	L	Y	MIU	LO WASH
0535 SUB GAS IN															
6650	E	048	2	53	LO REGEN	R-582	V	SUB GAS INLET VALVE	TOP TO MID	SG	16.00	G	Y	Q	
6651	E	068	2	53	LO REGEN	R-582	V	DERIMING GAS VALVE	UPMID SUB IN	SG	16.00	G	Y	Q	
6652	E	066	2	53	LO REGEN	R-582	V	CLEANOUT VALVE	UPMID SUB IN	SG	16.00	G	Y	Q	
6653	E	065	2	53	LO REGEN	R-582	G	PRESSURE TAP	UPMID SUB IN	SG	16.00	G	Y	Q	
6654	E	064	2	53	LO REGEN	R-582	G	PRESSURE GAUGE	UPMID SUB IN	SG	16.00	G	Y	Q	ADDED 12-95
6655	E	064	2	53	LO REGEN	R-582	V	LOADING VALVE V 504A2	UPMID SUB IN	SG	16.00	G	Y	Q	
0536 CARBONATE GAS OUT															
6660	E	046	2	53	LO REGEN	R-582	V	CLEAN SUB GAS OUTLET VALVE BLOCKING	TOP TO MID	CG	0.32	G	Y	N/A	
6661	E	058	2	53	LO REGEN	R-582	V	CLEAN SUB GAS PRESSURE TAP	UPMID CARB LN	CG	0.32	G	Y	N/A	
6662	E	058	2	53	LO REGEN	R-582	V	CLEAN SUB GAS VALVE CLEANOUT	UPMID CARB LN	CG	0.32	G	N	N/A	
6663	E	060	2	53	LO REGEN	R-582	V	CLEAN SUB GAS BLOCKING VALVE	UPMID CARB LN	CG	0.32	G	Y	N/A	
6664	E	060	2	53	LO REGEN	R-582	G	PRESSURE GAUGE	UPMID CARB LN	CG	0.32	G	Y	N/A	
OTHER															
6670	E	042	2	53	LO REGEN	R-582	VT	RELIEF VALVE	ABOVE REGEN	LO	57.63	L	Y	Q	

TABLE 54
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
LIGHT OIL REGENERATOR R-584

0541 LIGHT OIL WASH SYSTEM - BOTTOM															
6700	E	179	2	54	LO REGEN	R-584	V	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	57.63	L	N	MIU	LO WASH
6701	E	186	2	54	LO REGEN	R-584	V	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	57.63	L	Y	MIU	LO WASH
6702	E	189	2	54	LO REGEN	R-584	V	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	57.63	L	Y	MIU	LO WASH
6703	E	188	2	54	LO REGEN	R-584	V	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	57.63	L	Y	MIU	LO WASH
6704	E	187	2	54	LO REGEN	R-584	V	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	57.63	L	Y	MIU	LO WASH
6705	E	185	2	54	LO REGEN	R-584	V	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	57.63	L	Y	MIU	LO WASH, ADDED 12-95
6706	E	184	2	54	LO REGEN	R-584	V	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	57.63	L	Y	MIU	LO WASH, ADDED 12-95
6707	E	183	2	54	LO REGEN	R-584	V	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	57.63	L	Y	MIU	LO WASH, ADDED 12-95
6708	E	182	2	54	LO REGEN	R-584	V	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	57.63	L	Y	MIU	LO WASH, ADDED 12-95
6709	E	181	2	54	LO REGEN	R-584	V	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	57.63	L	Y	MIU	LO WASH, ADDED 12-95
6710	E	180	2	54	LO REGEN	R-584	V	LO WASH SYSTEM NITROGEN	GROUND LEVEL	LOM	57.63	L	Y	MIU	LO WASH, ADDED 12-95
6711	E	184	2	54	LO REGEN	R-584	V	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	57.63	L	Y	MIU	LO WASH, ADDED 12-95
6712	E	183	2	54	LO REGEN	R-584	V	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	57.63	L	Y	MIU	LO WASH, ADDED 12-95
6713	E	182	2	54	LO REGEN	R-584	V	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	57.63	L	Y	MIU	LO WASH, ADDED 12-95
6714	E	181	2	54	LO REGEN	R-584	G	LO WASH SYSTEM PRESSURE GAUGE	GROUND LEVEL	LOM	57.63	L	Y	MIU	LO WASH, ADDED 12-95
6715	E	183	2	54	LO REGEN	R-584	V	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	57.63	L	Y	MIU	LO WASH
6716	E	182	2	54	LO REGEN	R-584	V	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	57.63	L	Y	MIU	LO WASH, ADDED 12-95
0542 LIGHT OIL WASH SYSTEM - TOP															
6720	E	080	2	54	LO REGEN	R-584	V	LO WASH SYSTEM VALVE	UPPER MID LEV	LOM	57.63	L	Y	MIU	LO WASH
6721	E	081	2	54	LO REGEN	R-584	V	LO WASH SYSTEM VALVE	UPPER MID LEV	LOM	57.63	L	Y	MIU	LO WASH
6722	E	082	2	54	LO REGEN	R-584	V	LO WASH SYSTEM VALVE	UPPER MID LEV	LOM	57.63	L	Y	MIU	LO WASH
6723	E	083	2	54	LO REGEN	R-584	V	LO WASH SYSTEM VALVE	UPPER MID LEV	LOM	57.63	L	Y	MIU	LO WASH
6724	E	084	2	54	LO REGEN	R-584	V	LO WASH SYSTEM VALVE	UPPER MID LEV	LOM	57.63	L	Y	MIU	LO WASH
0543 SUB SUB GAS OUT															
6730	E	050	2	54	LO REGEN	R-584	V	SUB SUB GAS OUTLET VALVE	TOP TO MID	SSG	15.00	G	Y	Q	
6731	E	086	2	54	LO REGEN	R-584	V	SUB SUB GAS VALVE	UPMID SUB SUB	SSG	15.00	G	Y	Q	
6732	E	086	2	54	LO REGEN	R-584	V	SUB SUB GAS VALVE	UPMID SUB SUB	SSG	15.00	G	Y	Q	ADDED 12-95
6733	E	082	2	54	LO REGEN	R-584	G	SUB SUB GAS PRESSURE GAUGE	UPMID SUB SUB	SSG	15.00	G	Y	Q	ADDED 12-95
6734	E	084	2	54	LO REGEN	R-584	V	SUB SUB GAS VALVE	UPMID SUB SUB	SSG	15.00	G	Y	Q	ADDED 12-95
6735	E	085	2	54	LO REGEN	R-584	V	SUB SUB GAS BLOCKING VALVE	UPMID SUB SUB	SSG	15.00	G	Y	Q	ADDED 12-95
0544 REGENERATOR DIFFERENTIAL PRESSURE															
6740	E	126	2	54	LO REGEN	R-584	V	DIFFERENTIAL PRESSURE TAP VALVE	TOP LEVEL	LO	57.63	L	N	A	
6741	E	138	2	54	LO REGEN	R-584	V	DIFFERENTIAL PRESSURE TAP VALVE	TOP LEVEL	LO	57.63	L	Y	Q	
6742	E	139	2	54	LO REGEN	R-584	V	DIFFERENTIAL PRESSURE TAP 3 VALVE BLOCK	TOP LEVEL	LO	57.63	L	Y	Q	
6743	E	127	2	54	LO REGEN	R-584	DP	DIFFERENTIAL PRESSURE	TOP LEVEL	LO	57.63	L	Y	Q	ADDED 12-95
6744	E	127	2	54	LO REGEN	R-584	V	DIFFERENTIAL PRESSURE TAP VALVE	TOP LEVEL	LO	57.63	L	N	A	
6745	E	135	2	54	LO REGEN	R-584	V	DIFFERENTIAL PRESSURE TAP VALVE CLEANOUT	TOP LEVEL	LO	57.63	L	Y	Q	
6746	E	136	2	54	LO REGEN	R-584	V	DIFFERENTIAL PRESSURE TAP VALVE	TOP LEVEL	LO	57.63	L	Y	Q	
6747	E	137	2	54	LO REGEN	R-584	G	DIFFERENTIAL PRESSURE TAP GAUGE	TOP LEVEL	LO	57.63	L	Y	Q	
0545 SUB GAS IN															
6750	E	051	2	54	LO REGEN	R-584	V	SUB GAS INLET VALVE	TOP TO MID	SG	16.00	G	Y	Q	
6751	E	079	2	54	LO REGEN	R-584	V	DERIVING GAS VALVE	UPMID SUB IN	SG	16.00	G	Y	Q	
6752	E	078	2	54	LO REGEN	R-584	V	SUB GAS VALVE	UPMID SUB IN	SG	16.00	G	Y	Q	
6753	E	077	2	54	LO REGEN	R-584	V	SUB GAS VALVE	UPMID SUB IN	SG	16.00	G	Y	Q	
6754	E	076	2	54	LO REGEN	R-584	V	SUB GAS VALVE	UPMID SUB IN	SG	16.00	G	Y	Q	
6755	E	075	2	54	LO REGEN	R-584	G	SUB GAS GAUGE	UPMID SUB IN	SG	16.00	G	Y	Q	
6756	E	074	2	54	LO REGEN	R-584	V	SUB GAS BLOCKING VALVE	UPMID SUB IN	SG	16.00	G	Y	Q	
0546 CARBONATE GAS OUT															
6760	E	043	2	54	LO REGEN	R-584	V	CLEAN SUB GAS OUTLET VALVE	TOP TO MID	CG	0.32	G	Y	N/A	
6761	E	048	2	54	LO REGEN	R-584	V	CLEAN SUB GAS OUT BLOCKING VALVE	UPMID CARB LN	CG	0.32	G	Y	N/A	

OTHER

6762 E 043 2 54 LO REGEN R-664 VT RELIEF VALVE

ABOVE REGEN LO 57.63 L Y Q

TABLE 55
 REGISTRATION OF COMPONENTS IN BENZENE SERVICE
 LIGHT OIL REGENERATOR R-586

0551 LIGHT OIL WASH SYSTEM - BOTTOM															
6800	E	158	2	55	LO REGEN	R-586	V	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	57.63	L	N	MIU	
6801	E	165	2	55	LO REGEN	R-586	V	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	57.63	L	Y	MIU	
6802	E	163	2	55	LO REGEN	R-586	V	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	57.63	L	Y	MIU	
6803	E	167	2	55	LO REGEN	R-586	V	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	57.63	L	Y	MIU	
6804	E	166	2	55	LO REGEN	R-586	V	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	57.63	L	Y	MIU	
6805	E	160	2	55	LO REGEN	R-586	V	LO WASH SYSTEM CLEANOUT VALVE	GROUND LEVEL	LOM	57.63	L	Y	MIU	ADDED 12-95
6806	E	162	2	55	LO REGEN	R-586	V	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	57.63	L	Y	MIU	ADDED 12-95
6807	E	165	2	55	LO REGEN	R-586	V	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	57.63	L	Y	MIU	ADDED 12-95
6808	E	163	2	55	LO REGEN	R-586	V	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	57.63	L	N	MIU	ADDED 12-95
6809	E	163	2	55	LO REGEN	R-586	V	LO WASH SYSTEM NITROGEN	GROUND LEVEL	LOM	57.63	L	Y	MIU	ADDED 12-95
6810	E	163	2	55	LO REGEN	R-586	V	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	57.63	L	Y	MIU	ADDED 12-95
6811	E	163	2	55	LO REGEN	R-586	V	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	57.63	L	Y	MIU	ADDED 12-95
6812	E	163	2	55	LO REGEN	R-586	V	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	57.63	L	Y	MIU	ADDED 12-95
6813	E	163	2	55	LO REGEN	R-586	V	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	57.63	L	Y	MIU	ADDED 12-95
6814	E	161	2	55	LO REGEN	R-586	G	LO WASH SYSTEM PRESSURE GAUGE	GROUND LEVEL	LOM	57.63	L	Y	MIU	ADDED 12-95
6815	E	161	2	55	LO REGEN	R-586	V	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	57.63	L	Y	MIU	ADDED 12-95
6816	E	161	2	55	LO REGEN	R-586	V	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	57.63	L	N	MIU	
6817	E	162	2	55	LO REGEN	R-586	V	LO WASH SYSTEM VALVE	GROUND LEVEL	LOM	57.63	L	Y	MIU	
0552 LIGHT OIL WASH SYSTEM - TOP															
6820	E	099	2	55	LO REGEN	R-586	V	LO WASH SYSTEM VALVE	UPPER MID	LOM	57.63	L	Y	MIU	
6821	E	100	2	55	LO REGEN	R-586	V	LO WASH SYSTEM VALVE	UPPER MID	LOM	57.63	L	Y	MIU	
6822	E	101	2	55	LO REGEN	R-586	V	LO WASH SYSTEM VALVE	UPPER MID	LOM	57.63	L	Y	MIU	
6823	E	102	2	55	LO REGEN	R-586	V	LO WASH SYSTEM VALVE	UPPER MID	LOM	57.63	L	Y	MIU	
0553 SUB SUB GAS OUT															
6830	E	053	2	55	LO REGEN	R-586	V	SUB SUB GAS OUTLET VALVE	LOW TOP	SSG	15.00	G	Y	Q	
6831	E	097	2	55	LO REGEN	R-586	V	SUB SUB GAS VALVE	UPPER MID	SSG	15.00	G	Y	Q	
6832	E	098	2	55	LO REGEN	R-586	G	SUB SUB GAS PRESSURE GAUGE	UPPER MID	SSG	15.00	G	Y	Q	
6833	E	096	2	55	LO REGEN	R-586	V	SUB SUB GAS VALVE	UPPER MID	SSG	15.00	G	Y	Q	
6834	E	095	2	55	LO REGEN	R-586	V	SUB SUB GAS BLOCKING VALVE	UPPER MID	SSG	15.00	G	Y	Q	
0554 REGENERATOR DIFFERENTIAL PRESSURE															
6840	E	128	2	55	LO REGEN	R-586	V	DIFFERENTIAL PRESSURE TAP VALVE	TOP	LO	57.63	L	N	A	
6841	E	140	2	55	LO REGEN	R-586	V	DIFFERENTIAL PRESSURE TAP 3 VALVE BLOCK	TOP	LO	57.63	L	Y	Q	
6842	E	104	2	55	LO REGEN	R-586	DP	DIFFERENTIAL PRESSURE	TOP	LO	57.63	L	Y	Q	
6843	E	120	2	55	LO REGEN	R-586	V	DIFFERENTIAL PRESSURE TAP VALVE	TOP	LO	57.63	L	N	A	
6844	E	141	2	55	LO REGEN	R-586	V	DIFFERENTIAL PRESSURE TAP VALVE	TOP	LO	57.63	L	Y	Q	
6845	E	142	2	55	LO REGEN	R-586	V	DIFFERENTIAL PRESSURE TAP VALVE	TOP	LO	57.63	L	Y	Q	
6846	E	103	2	55	LO REGEN	R-586	DP	DIFFERENTIAL PRESSURE	TOP	LO	57.63	L	Y	Q	ADDED 12-95
0555 SUB GAS IN															
6850	E	054	2	55	LO REGEN	R-586	V	SUB GAS INLET VALVE	LOW TOP	SG	16.00	G	Y	Q	
6851	E	105	2	55	LO REGEN	R-586	V	SUB GAS VALVE	UPPER MID	SG	16.00	G	Y	Q	
6852	E	104	2	55	LO REGEN	R-586	V	SUB GAS VALVE	UPPER MID	SG	16.00	G	Y	Q	
6853	E	106	2	55	LO REGEN	R-586	V	DERIVING GAS VALVE	UPPER MID	SG	16.00	G	Y	Q	
6854	E	103	2	55	LO REGEN	R-586	V	504C2 LOADING VALVE	UPPER MID	SG	16.00	G	Y	Q	
0556 CARBONATE GAS OUT															
6860	E	052	2	55	LO REGEN	R-586	V	CLEAN SUB GAS OUTLET VALVE	LOW TOP	CG	0.32	L	Y	N/A	
6861	E	094	2	55	LO REGEN	R-586	V	CLEAN SUB GAS VALVE	UPPER MID	CG	0.32	L	Y	N/A	
6862	E	093	2	55	LO REGEN	R-586	V	CLEAN SUB GAS VALVE	UPPER MID	CG	0.32	L	Y	N/A	
6864	E	092	2	55	LO REGEN	R-586	V	CLEAN SUB GAS VALVE	UPPER MID	CG	0.32	L	Y	N/A	ADDED 12-95
6865	E	092	2	55	LO REGEN	R-586	V	CLEAN SUB GAS BLOCKING VALVE	UPPER MID	CG	0.32	G	Y	N/A	
OTHER															
6866	E	044	2	55	LO REGEN	R-586	VT	RELIEF VALVE	TOP	LO	57.63	L	Y	Q	

TABLE 56
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
LIGHT OIL REGENERATOR R-590

0551	LIGHT OIL WASH SYSTEM - BOTTOM													
6900	E	169	2	56	LO REGEN	R-590	V	LIGHT OIL WASH	GROUND LEVEL	LOM	57.63	L	N	MIU
6901	E	170	2	56	LO REGEN	R-590	V	LIGHT OIL WASH	GROUND LEVEL	LOM	57.63	L	Y	MIU
6902	E	178	2	56	LO REGEN	R-590	V	LIGHT OIL WASH	GROUND LEVEL	LOM	57.63	L	Y	MIU
6903			2	56	LO REGEN	R-590	V	LIGHT OIL WASH	GROUND LEVEL	LOM	57.63	L	Y	MIU
6904			2	56	LO REGEN	R-590	V	LIGHT OIL WASH	GROUND LEVEL	LOM	57.63	L	Y	MIU
6905	E	177	2	56	LO REGEN	R-590	V	LIGHT OIL WASH	GROUND LEVEL	LOM	57.63	L	Y	MIU
6906	E	175	2	56	LO REGEN	R-590	V	LIGHT OIL WASH	GROUND LEVEL	LOM	57.63	L	Y	MIU
6907	E	176	2	56	LO REGEN	R-590	V	LIGHT OIL WASH	GROUND LEVEL	LOM	57.63	L	Y	MIU
6908	E	174	2	56	LO REGEN	R-590	V	LIGHT OIL WASH	GROUND LEVEL	LOM	57.63	L	Y	MIU
6909			2	56	LO REGEN	R-590	V	LIGHT OIL WASH	GROUND LEVEL	LOM	57.63	L	Y	MIU
6910	E	203	2	56	LO REGEN	R-590	V	LIGHT OIL WASH	GROUND LEVEL	LOM	57.63	L	Y	MIU
6911			2	56	LO REGEN	R-590	V	LIGHT OIL WASH	GROUND LEVEL	LOM	57.63	L	Y	MIU
6912	E	173	2	56	LO REGEN	R-590	V	LIGHT OIL WASH	GROUND LEVEL	LOM	57.63	L	Y	MIU
6913	E	202	2	56	LO REGEN	R-590	V	LIGHT OIL WASH	GROUND LEVEL	LOM	57.63	L	Y	MIU
6914			2	56	LO REGEN	R-590	V	LIGHT OIL WASH	GROUND LEVEL	LOM	57.63	L	Y	MIU
6916			2	56	LO REGEN	R-590	V	LIGHT OIL WASH NITROGEN	GROUND LEVEL	LOM	57.63	L	Y	MIU
6916			2	56	LO REGEN	R-590	V	LIGHT OIL WASH CLEANOUT	GROUND LEVEL	LOM	57.63	L	N	MIU
0562	LIGHT OIL WASH SYSTEM - TOP													
6920	E	116	2	56	LO REGEN	R-590	V	LIGHT OIL WASH	MID	LOM	57.63	L	Y	MIU
6921	E	118	2	56	LO REGEN	R-590	V	LIGHT OIL WASH	MID	LOM	57.63	L	Y	MIU
6922	E	117	2	56	LO REGEN	R-590	V	LIGHT OIL WASH	MID	LOM	57.63	L	Y	MIU
6923	E	119	2	56	LO REGEN	R-590	V	LIGHT OIL WASH	MID	LOM	57.63	L	Y	MIU
0563	SUB SUB GAS OUT													
6930	E	056	2	56	LO REGEN	R-590	V	SUB SUB GAS OUTLET	MID S 2 GAS	SSG	15.00	G	Y	Q
6931	E	110	2	56	LO REGEN	R-590	V	SUB SUB GAS BLOCK	MID S 2 GAS	SSG	15.00	G	Y	Q
6932	E	115	2	56	LO REGEN	R-590	V	SUB SUB GAS	MID S 2 GAS	SSG	15.00	G	Y	Q
6933	E	114	2	56	LO REGEN	R-590	V	SUB SUB GAS	MID S 2 GAS	SSG	15.00	G	Y	Q
6934	E	113	2	56	LO REGEN	R-590	V	SUB SUB GAS	MID S 2 GAS	SSG	15.00	G	Y	Q
0564	REGENERATOR DIFFERENTIAL PRESSURE													
6940	E	130	2	56	LO REGEN	R-590	V	DIFFERENTIAL PRESSURE TAP	TOP PRESSUR	LO	57.63	L	N	A
6941	E	143	2	56	LO REGEN	R-590	V	DIFFERENTIAL PRESSURE TAP BLOCK	TOP PRESSUR	LO	57.63	L	Y	Q
6942	E	131	2	56	LO REGEN	R-590	V	DIFFERENTIAL PRESSURE TAP	TOP PRESSUR	LO	57.63	L	N	A
6943	E	144	2	56	LO REGEN	R-590	V	DIFFERENTIAL PRESSURE TAP	TOP PRESSUR	LO	57.63	L	Y	Q
6944			2	56	LO REGEN	R-590	DP	DIFFERENTIAL PRESSURE CELL	TOP PRESSUR	LO	57.63	L	Y	Q
6945	E	145	2	56	LO REGEN	R-590	V	DIFFERENTIAL PRESSURE TAP	TOP PRESSUR	LO	57.63	L	Y	Q
6946	E	146	2	56	LO REGEN	R-590	G	DIFFERENTIAL PRESSURE GAUGE	TOP PRESSUR	LO	57.63	L	Y	Q
0565	SUB GAS IN													
6950	E	057	2	56	LO REGEN	R-590	V	SUB GAS INLET	TOP SUB IN	SG	16.00	G	Y	Q
6951	E	123	2	56	LO REGEN	V504-D2	V	LOADING	TOP SUB IN	SG	16.00	G	Y	Q
6952			2	56	LO REGEN	V504-D2	V	SUB GAS	TOP SUB IN	SG	16.00	G	Y	Q
6953	E	122	2	56	LO REGEN	R-590	V	SUB GAS	TOP SUB IN	SG	16.00	G	Y	Q
6954	E	121	2	56	LO REGEN	R-590	V	SUB GAS	TOP SUB IN	SG	16.00	G	Y	Q
6955	E	120	2	56	LO REGEN	R-590	V	SUB GAS	TOP SUB IN	SG	16.00	G	Y	Q
0566	CARBONATE GAS OUT													
6960	E	055	2	56	LO REGEN	R-590	V	CARBONATE GAS OUTLET	TOP CARB OUT	CG	0.32	G	Y	N/A
6961	E	108	2	56	LO REGEN	R-590	V	CARBONATE GAS	TOP CARB OUT	CG	0.32	G	Y	N/A
6962	E	109	2	56	LO REGEN	R-590	V	CARBONATE GAS	TOP CARB OUT	CG	0.32	G	Y	N/A
6963			2	56	LO REGEN	R-590	V	CARBONATE GAS	TOP CARB OUT	CG	0.32	G	Y	N/A
6964	E	111	2	56	LO REGEN	R-590	G	CARBONATE GAS PRESSURE GAUGE	TOP CARB OUT	CG	0.32	G	Y	N/A
6965			2	56	LO REGEN	R-590	V	CARBONATE GAS	TOP CARB OUT	CG	0.32	G	Y	N/A
6966			2	56	LO REGEN	R-590	V	CARBONATE GAS	TOP CARB OUT	CG	0.32	G	Y	N/A
6967	E	107	2	56	LO REGEN	R-590	V	CARBONATE GAS BLOCK	TOP CARB OUT	CG	0.32	G	Y	N/A

ADDED 12-85

OTHER
6868 E 045 2 56 LO REGEN R-590 RV RELIEF

TOP LO 57.63 L N A

TABLE 57
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
SUB SUB GAS LIGHT OIL REGENERATION AUSPUFF SYSTEM

0571	SUB SUB GAS CONTROL STATION												
6970	E 040	2	57	LO REGEN	R-584	V	SUB SUB GAS CONTROL STATION	MD LVL BHND 82	SSG	15.00	G	Y	Q
6971	E 039	2	57	LO REGEN	R-584	V	SUB SUB GAS CONTROL STATION	MD LVL BHND 82	SSG	15.00	G	Y	Q
6972	E 038	2	57	LO REGEN	R-584	V	SUB SUB GAS CONTROL STATION	MD LVL BHND 82	SSG	15.00	G	Y	Q
6973	E 037	2	57	LO REGEN	R-584	V	SUB SUB GAS CONTROL STATION	MD LVL BHND 82	SSG	15.00	G	Y	Q
6974	E 041	2	57	LO REGEN	R-584	V	SUB SUB GAS CONTROL STATION	MD LVL BHND 82	SSG	15.00	G	Y	Q
6975	E 041	2	57	LO REGEN	R-584	V	SUB SUB GAS CONTROL STATION	MD LVL BHND 82	SSG	15.00	G	Y	Q
0572	SUB SUB GAS ORIFICE SYSTEM												
6976	E 031	2	57	LO REGEN	R-584	V	SUB SUB GAS ORIFICE PRESSURE TAP	MD LVL BHND 82	SSG	15.00	G	Y	Q
6977	E 032	2	57	LO REGEN	R-584	PD	SUB SUB GAS ORIFICE PRESSURE TRANSDUCER	MD LVL BHND 82	SSG	15.00	G	Y	Q
6978	E 032	2	57	LO REGEN	R-584	V	SUB SUB GAS ORIFICE PRESSURE GAUGE	MD LVL BHND 82	SSG	15.00	G	Y	Q
6979	E 033	2	57	LO REGEN	R-584	G	SUB SUB GAS ORIFICE PRESSURE GAUGE	MD LVL BHND 82	SSG	15.00	G	Y	Q
6980		2	57	LO REGEN	R-584	V	SUB SUB GAS ORIFICE PRESSURE TAP	MD LVL BHND 82	SSG	15.00	G	Y	Q
6981		2	57	LO REGEN	R-584	V	SUB SUB GAS ORIFICE PRESSURE TAP	MD LVL BHND 82	SSG	15.00	G	Y	Q
6982	E 035	2	57	LO REGEN	R-584	V	SUB SUB GAS ORIFICE PRESSURE BLOCKING	MD LVL BHND 82	SSG	15.00	G	Y	Q
6983	E 504	2	57	PRESSURE	PCV651	G	SUB SUB GAS ORIFICE PRESSURE GAUGE	MD LVL BHND 82	SSG	15.00	G	Y	Q
6984	E 503	2	57	TRANSDUCE	PCV651	PD	SUB SUB GAS ORIFICE PRESSURE TRANSDUCER	MD LVL BHND 82	SSG	15.00	G	Y	Q

TABLE 59
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
SUB SUB GAS WATER COOLER

0591	COOLER 639 IN												
7056	E 264	2	59	WATR COOL	E-640			LEVEL 2, INLET	SSG	15.00	G	Y	Q
7057	E 265	2	59	WATR COOL	E-639	V	INLET BLOCKING VALVE	LEVEL 2, INLET	SSG	15.00	G	Y	Q
7058	E 266	2	59	WATR COOL	E-639	V	INLET CLEANOUT VALVE	LEVEL 2, INLET	SSG	15.00	G	Y	Q
7059	E 267	2	59	WATR COOL	E-639	V	INLET SIDE COOLER CLEANOUT VALVE	LEVEL 2, INLET	SSG	15.00	G	Y	Q
0592	COOLER 639 OUT												
7070	E 297	2	59	WATR COOL	E-638	V	OUTLET SIDE COOLER CLEANOUT VALVE	LEVEL 2, DISCHR	SSG	15.00	G	Y	Q
7071	E 298	2	59	WATR COOL	E-639	V	OUTLET BLOCKING VALVE	LEVEL 2, DISCHR	SSG	15.00	G	Y	Q
7072	E 294	2	59	WATR COOL	E-640	V	OUTLET CLEANOUT VALVE	LEVEL 2, DISCHR	SSG	15.00	G	Y	Q
7073	E 293	2	59	WATR COOL	E-640	V	OUTLET CLEANOUT VALVE	LEVEL 2, DISCHR	SSG	15.00	G	Y	Q
0593	COOLER 640 IN												
7060	E 505	2	59	WATR COOL	E-640	V	INLET CLEANOUT VALVE	LEVEL 2, INLET	SSG	15.00	G	Y	Q
7061	E 505	2	59	WATR COOL	E-640	V	INLET CLEANOUT VALVE	LEVEL 2, INLET	SSG	15.00	G	Y	Q
7062	E 260	2	59	WATR COOL	E-640	V	INLET BLOCKING VALVE	LEVEL 2, INLET	SSG	15.00	G	Y	Q
7063	E 262	2	59	WATR COOL	E-640	V	INLET CLEANOUT VALVE	LEVEL 2, INLET	SSG	15.00	G	Y	Q
7064	E 261	2	59	WATR COOL	E-640	V	INLET CLEANOUT VALVE	LEVEL 2, INLET	SSG	15.00	G	Y	Q
7065	E 263	2	59	WATR COOL	E-640	V	INLET SIDE COOLER CLEANOUT VALVE	LEVEL 2, INLET	SSG	15.00	G	Y	Q
0594	COOLER 640 OUT												
7074	E 295	2	59	WATR COOL	E-639	V	OUTLET SIDE COOLER CLEANOUT VALVE	LEVEL 2, DISCHR	SSG	15.00	G	Y	Q
7075	E 292	2	59	WATR COOL	E-640	V	OUTLET CLEANOUT VALVE	LEVEL 2, DISCHR	SSG	15.00	G	Y	Q
7076	E 296	2	59	WATR COOL	E-639	V	OUTLET BLOCKING VALVE	LEVEL 2, DISCHR	SSG	15.00	G	Y	Q
0595	SUB SUB GAS BYPASS LOOP												
7050	E 258	2	59	WATR COOL	E-639/64	V	BLOCKING VALVE BYPASS LOOP	LEVEL 2, INLET	SSG	15.00	G	Y	Q
7052	E 259	2	59	WATR COOL	E-639/64	V	BYPASS LOOP CLEANOUT VALVE	LEVEL 2, INLET	SSG	15.00	G	Y	Q
7054	E 269	2	59	WATR COOL	E-639/64	V	BLOCKING VALVE BYPASS LOOP	LEVEL 2, INLET	SSG	15.00	G	Y	Q

TABLE 60
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
SUB SUB GAS WATER SEPARATOR

0601 DRAIN TO DECANTERS																			
7101	F	176	2	60	SEPARATOR	D-602	V	FEED VALVES TO DECANTERS CLEANOUT	GROUND LEVEL	LOW	57.63	L	Y	Q					
7102	F	179	2	60	SEPARATOR	D-602	V	FEED VALVES TO DECANTERS BLOCKING	GROUND LEVEL	LOW	57.63	L	Y	Q					
7103	F	181	2	60	SEPARATOR	D-602	V	FEED VALVES TO DECANTERS BLOCKING	GROUND LEVEL	LOW	57.63	L	Y	Q					
7104	F	177	2	60	SEPARATOR	D-602	V	FEED VALVES TO DECANTERS BLOCKING	GROUND LEVEL	LOW	57.63	L	Y	Q					
7105	F	180	2	60	SEPARATOR	D-602	V	FEED VALVES TO DECANTERS BLOCKING	GROUND LEVEL	LOW	57.63	L	Y	Q					ADDED 12-95
7106	F	207	2	60	SEPARATOR	D-602	V	FEED VALVES TO DECANTERS BLOCKING	GROUND LEVEL	LOW	57.63	L	Y	Q					ADDED 12-95
7107	F	212	2	60	SEPARATOR	D-602	V	FEED VALVES TO DECANTERS CLEANOUT	GROUND LEVEL	LOW	57.63	L	Y	Q					ADDED 12-95
7108	F	210	2	60	SEPARATOR	D-602	V	FEED VALVES TO DECANTERS CLEANOUT	GROUND LEVEL	LOW	57.63	L	Y	Q					ADDED 12-95
7109	F	211	2	60	SEPARATOR	D-602	V	FEED VALVES TO DECANTERS BLOCKING	GROUND LEVEL	LOW	57.63	L	Y	Q					ADDED 12-95
0602 BOTTOM SG/LC																			
7110	F	189	2	60	SEPARATOR	D-602	V	SIGHT GLASS LEVEL CONTROLLER	GROUND LEVEL	LOW	57.63	L	Y	Q					
7111	F	188	2	60	SEPARATOR	D-602	V	SIGHT GLASS LEVEL CONTROLLER	GROUND LEVEL	LOW	57.63	L	Y	Q					ADDED 12-95
7112	F	186	2	60	SEPARATOR	D-602	V	SIGHT GLASS LEVEL CONTROLLER	GROUND LEVEL	LOW	57.63	L	Y	Q					
7113	F	185	2	60	SEPARATOR	D-602	V	SIGHT GLASS LEVEL CONTROLLER	GROUND LEVEL	LOW	57.63	L	Y	Q					
7114	F	187	2	60	SEPARATOR	D-602	V	SIGHT GLASS LEVEL CONTROLLER	GROUND LEVEL	LOW	57.63	L	Y	Q					ADDED 12-95
7115	F	184	2	60	SEPARATOR	D-602	V	SIGHT GLASS LEVEL CONTROLLER	GROUND LEVEL	LOW	57.63	L	Y	Q					ADDED 12-95
7116	F	183	2	60	SEPARATOR	D-602	V	SIGHT GLASS LEVEL CONTROLLER	GROUND LEVEL	LOW	57.63	L	Y	Q					ADDED 12-95
7117	F	191	2	60	SEPARATOR	D-602	V	SIGHT GLASS LEVEL CONTROLLER	GROUND LEVEL	LOW	57.63	L	Y	Q					ADDED 12-95
7118	F	188	2	60	SEPARATOR	D-602	V	SIGHT GLASS LEVEL CONTROLLER	GROUND LEVEL	LOW	57.63	L	Y	Q					ADDED 12-95
7119	F	418	2	60	SEPARATOR	D-602	LC	LEVEL CONTROLLER	GROUND LEVEL	SSG	15.00	G	Y	Q					
7120	F	187	2	60	SEPARATOR	D-602	SG	SIGHT GLASS	GROUND LEVEL	LOW	57.63	L	Y	Q					
0603 SEPARATOR GAS OUT																			
7131	F	414	2	60	SEPARATOR	D-602	V	RELIEF VALVE TAP	SECOND LEVEL	SSG	15.00	G	Y	Q					
7132	F	415	2	60	SEPARATOR	D-602	V	RELIEF VALVE	SECOND LEVEL	SSG	15.00	G	Y	Q					
7133	F	223	2	60	SEPARATOR	D-602	V	SUB SUB GAS OUT RELIEF VALVE	SECOND LEVEL	SSG	15.00	G	Y	Q					
7134	F	225	2	60	SEPARATOR	D-602	V	SUB SUB GAS OUT CLEANOUT	SECOND LEVEL	SSG	15.00	G	Y	Q					
7135	F	226	2	60	SEPARATOR	D-602	V	SUB SUB GAS OUT CLEANOUT	SECOND LEVEL	SSG	15.00	G	Y	Q					
7136	F	224	2	60	SEPARATOR	D-602	V	SUB SUB GAS OUT CLEANOUT	SECOND LEVEL	SSG	15.00	G	Y	Q					
7137	F	227	2	60	SEPARATOR	D-602	V	SUB SUB GAS OUT BLOCKING VALVE	SECOND LEVEL	SSG	15.00	G	Y	Q					
7138	F	228	2	60	SEPARATOR	D-602	V	SUB SUB GAS OUT CLEANOUT	SECOND LEVEL	SSG	15.00	G	Y	Q					ADDED 12-95
7139	F	229	2	60	SEPARATOR	D-602	V	SUB SUB GAS OUT CLEANOUT	SECOND LEVEL	SSG	15.00	G	Y	Q					
7140	F	230	2	60	SEPARATOR	D-602	V	SUB SUB GAS RETURN	SECOND LEVEL	SSG	15.00	G	Y	Q					
0604 TO DOWNRIVER GAS																			
7141	F	295	2	60	SEPARATOR	D-602	V	SUB SUB GAS OUT TO DOWN RIVER	THIRD LEVEL	SSG	15.00	G	Y	Q					
7142	F	296	2	60	SEPARATOR	D-602	V	SUB SUB GAS OUT CONTROL VALVE DOWN RIVER	THIRD LEVEL	SSG	15.00	G	Y	Q					
7143	F	297	2	60	SEPARATOR	D-602	V	SUB SUB GAS OUT TO DOWN RIVER	THIRD LEVEL	SSG	15.00	G	Y	Q					
0605 TOP SG/LC																			
7121	F	234	2	60	SEPARATOR	D-602	V	SIGHT GLASS CLEANOUT	GROUND LEVEL	SSG	15.00	G	Y	Q					
7122	F	232	2	60	SEPARATOR	D-602	V	SIGHT GLASS CLEANOUT	GROUND LEVEL	SSG	15.00	G	Y	Q					
7123	F	233	2	60	SEPARATOR	D-602	V	SIGHT GLASS CLEANOUT	GROUND LEVEL	SSG	15.00	G	Y	Q					
7124	F	231	2	60	SEPARATOR	D-602	V	SIGHT GLASS LEVEL CONTROLLER TOP VALVE	GROUND LEVEL	SSG	15.00	G	Y	Q					
OTHER																			
7100	F	184	2	60	SEPARATOR	D-602	V	TANK BOTTOM DRAIN	GROUND LEVEL	LOW	57.63	L	Y	Q					
7130	F	045	2	60	SEPARATOR	D-602	V	INLET PRESSURE TAP	SECOND LEVEL	SSG	15.00	G	Y	Q					

TABLE 61
 REGISTRATION OF COMPONENTS IN BENZENE SERVICE
 SUB SUB GAS AMMONIA COOLERS

0611	COOLER 641 IN									
7150	2	61	COOLER							
7151	2	61	COOLER	V	INLET BLOCKING VALVE		SSG	15.00	G	Y
7152	F 307	2	61	V	INLET CLEANOUT VALVE		SSG	15.00	G	Y
7153	2	61	COOLER	V	INLET BLOCKING VALVE		SSG	15.00	G	Y
7154	2	61	COOLER	V	INLET CLEANOUT VALVE		SSG	15.00	G	Y
7155	2	61	COOLER	V	OUTLET BLOCKING VALVE		SSG	15.00	G	Y
7156	2	61	COOLER	V	OUTLET CLEANOUT VALVE		SSG	15.00	G	Y
0613	COOLER 642 IN									
7160	F 308	2	61	V	OUTLET BLOCKING VALVE		SSG	15.00	G	Y
7161	F 309	2	61	V	INLET BLOCKING VALVE		SSG	15.00	G	Y
7162	2	61	COOLER	V	INLET CLEANOUT VALVE		SSG	15.00	G	Y
7163	2	61	COOLER	V	INLET BLOCKING VALVE		SSG	15.00	G	Y
7164	2	61	COOLER	V	INLET CLEANOUT VALVE		SSG	15.00	G	Y
0614	COOLER 642 OUT									
7164	F 311	2	61	V	OUTLET BLOCKING VALVE		SSG	15.00	G	Y
7165	F 312	2	61	V	OUTLET CLEANOUT VALVE		SSG	15.00	G	Y
7166	F 313	2	61	V	OUTLET BLOCKING VALVE		SSG	15.00	G	Y

TABLE 62
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
SUB SUB GAS AMMONIA COOLER SEPARATOR

ID	Component	Material	Pressure	Temp	Level	Control	Notes
0621 DRAIN TO DECANTERS							
7201	F 207	2	62	SEPARATOR	D-624	V	FEED TO DECANTERS
7202	F 204	2	62	SEPARATOR	D-624	V	FEED TO DECANTERS
7203	F 205	2	62	SEPARATOR	D-624	V	FEED TO DECANTERS
7204	F 206	2	62	SEPARATOR	D-624	V	FEED TO DECANTERS
7205	F 203	2	62	SEPARATOR	D-624	V	FEED TO DECANTERS CLEANOUT
7206	F 200	2	62	SEPARATOR	D-624	V	FEED TO DECANTERS CLEANOUT
7207	F 200	2	62	SEPARATOR	D-624	V	FEED TO DECANTERS CLEANOUT
7208	F 201	2	62	SEPARATOR	D-624	V	FEED TO DECANTERS CLEANOUT BACKUP
0622 SIGHT GLASS / LEVEL CONTROL - BOTTOM							
7215	F 265	2	62	SEPARATOR	D-624	V	SIGHT GLASS / LEVEL CONTROL BLOCKING
7216	F 268	2	62	SEPARATOR	D-624	V	SIGHT GLASS / LEVEL CONTROL
7217	F 264	2	62	SEPARATOR	D-624	V	SIGHT GLASS / LEVEL CONTROL
7218	F 197	2	62	SEPARATOR	D-624	V	SIGHT GLASS / LEVEL CONTROL BLOCKING
7219	F 196	2	62	SEPARATOR	D-624	V	SIGHT GLASS / LEVEL CONTROL
7220	F 196	2	62	SEPARATOR	D-624	V	SIGHT GLASS / LEVEL CONTROL
7221	F 196	2	62	SEPARATOR	D-624	V	SIGHT GLASS / LEVEL CONTROL
7222	F 196	2	62	SEPARATOR	D-624	V	LEVEL CONTROL BOTTOM VALVES
7223	F 196	2	62	SEPARATOR	D-624	V	LEVEL CONTROL BOTTOM VALVES
7229	F 061	2	62	SEPARATOR	D-624	LC	LEVEL CONTROL
7230	F 060	2	62	SEPARATOR	D-624	SG	SIGHT GLASS
0623 BYPASS TO 576-SEPARATOR							
7235	F 265	2	62	SEPARATOR	D-624	V	BY PASS TO D-576 BLOCKING
7236	F 268	2	62	SEPARATOR	D-624	V	BY PASS TO D-576 CLEANOUT
7237	F 264	2	62	SEPARATOR	D-624	V	BY PASS TO D-576 BLOCKING CONTROL
7238	F 267	2	62	SEPARATOR	D-624	V	BY PASS TO D-576 CLEANOUT
7239	F 263	2	62	SEPARATOR	D-624	V	BY PASS TO D-576 BLOCKING
7240	F 265	2	62	SEPARATOR	D-624	V	BY PASS TO D-576 BLOCKING BYPASS
0624 SUB SUB GAS OUT PRESSURE							
7250	F 389	2	62	SEPARATOR	D-624	V	PRESSURE TAP
7251	F 244	2	62	SEPARATOR	D-624	V	RELIEF VALVE
7252	F 391	2	62	SEPARATOR	D-624	V	BYPASS VALVE
7253	F 390	2	62	SEPARATOR	D-624	V	CLEANOUT
7254	F 247	2	62	SEPARATOR	D-624	G	PRESSURE GAUGE
7255	F 246	2	62	SEPARATOR	D-624	V	PRESSURE TAP
7255	F 392	2	62	SEPARATOR	D-624	V	PRESSURE TAP VALVE BLOCK
0625 SUB SUB GAS OUT TO DOWNRIVER							
7280	F 300	2	62	SEPARATOR	D-624	V	ORIFICE PLATE VALVE
7281	F 301	2	62	SEPARATOR	D-624	V	ORIFICE PLATE VALVE
7282	F 308	2	62	SEPARATOR	D-624	V	3 WAY VALVE
7283	F 342	2	62	SEPARATOR	D-624	V	3 WAY VALVE
7284	F 305	2	62	SEPARATOR	D-624	V	3 WAY VALVE
7285	F 302	2	62	SEPARATOR	D-624	V	ORIFICE PLATE VALVE
7286	F 303	2	62	SEPARATOR	D-624	V	ORIFICE PLATE VALVE
7287	F 304	2	62	SEPARATOR	D-624	V	3 WAY VALVE DISTRIBUTION
7288	F 304	2	62	SEPARATOR	D-624	V	#5 CONTROL ROOM BLOCKING VALVE
0626 BYPASS TO 576 SEPARATOR							
7265	F 249	2	62	SEPARATOR	D-624	V	SUB SUB GAS OUT VALVE BLOCKING
7266	F 252	2	62	SEPARATOR	D-624	V	BY PASS TO D-576
7267	F 253	2	62	SEPARATOR	D-624	V	BY PASS TO D-576 CONTROL
7268	F 254	2	62	SEPARATOR	D-624	V	BY PASS TO D-576

7269	F	255	2	62	SEPARATOR	D-624	V	BY PASS TO D-576	SSG	LEVEL 2 BLEED	SSG	15.00	G	Y	Q
7270	F	262	2	62	SEPARATOR	D-624	V	BY PASS TO D-576	SSG	LEVEL 2 BLEED	SSG	15.00	G	Y	Q
7271	F	258	2	62	SEPARATOR	D-624	V	BY PASS TO D-576 CLEANOUT	SSG	LEVEL 2 BLEED	SSG	15.00	G	Y	Q
7272	F	261	2	62	SEPARATOR	D-624	V	BY PASS TO D-576	SSG	LEVEL 2 BLEED	SSG	15.00	G	Y	Q
7273	F	259	2	62	SEPARATOR	D-624	V	BY PASS TO D-576	SSG	LEVEL 2 BLEED	SSG	15.00	G	Y	Q
7274	F	255	2	62	SEPARATOR	D-624	V	BY PASS TO D-576	SSG	LEVEL 2 BLEED	SSG	15.00	G	Y	Q
7275	F	393	2	62	SEPARATOR	D-624	V	PRESSURE TAP LINE VALVE	SSG	LEVEL 2 BLEED	SSG	15.00	G	Y	Q
0627	BYPASS TO 576 SEPARATOR														
7258	F	248	2	62	SEPARATOR	D-624	V	SUB SUB GAS OUT VALVE BLOCKING	SSG	LEVEL 2	SSG	15.00	G	Y	Q
7259	F	260	2	62	SEPARATOR	D-624	V	BY PASS TO D-576 CLEANOUT	SSG	LEVEL 2	SSG	15.00	G	Y	Q
7260	F	261	2	62	SEPARATOR	D-624	V	BY PASS TO D-576 CLEANOUT	SSG	LEVEL 2	SSG	15.00	G	Y	Q
7261	F	259	2	62	SEPARATOR	D-624	V	BY PASS TO D-576 CLEANOUT	SSG	LEVEL 2	SSG	15.00	G	Y	Q
0628	SIGHT GLASS / LEVEL CONTROL - TOP														
7231	F	238	2	62	SEPARATOR	D-624	V	SIGHT GLASS TOP VALVE	SSG	GROUND LEVEL	SSG	15.00	G	N	A
7232	F	237	2	62	SEPARATOR	D-624	V	SIGHT GLASS TOP VALVE CLEANOUT	SSG	GROUND LEVEL	SSG	15.00	G	N	A
7233	F	236	2	62	SEPARATOR	D-624	V	SIGHT GLASS TOP VALVE	SSG	GROUND LEVEL	SSG	15.00	G	N	A
7234	F	235	2	62	SEPARATOR	D-624	V	SIGHT GLASS / LEVEL CONTROL VALVES	SSG	GROUND LEVEL	SSG	15.00	G	N	A
OTHER															
7200	F	193	2	62	SEPARATOR	D-624	V	TANK BOTTOM DRAIN	LOW	GROUND LEVEL	LOW	57.63	L	Y	Q
7257	F	245	2	62	SEPARATOR	D-624	V	SUB SUB GAS OUT BLOCKING VALVE	SSG	LEVEL 2	SSG	15.00	G	Y	Q

TABLE 63
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
LIGHT OIL DECANT AREA

7300	F	022	2	63	LO DECANT	D-604	V	VALVE ON TOP SOUTH SIDE OF TANK	LO	57.63	L	Y	Q	
7301	F	041	2	63	LO DECANT	D-604	MH	SOUTH MANWAY SOUTH TANK	LO	57.63	L	Y	Q	
7302	F	019	2	63	LO DECANT	D-604	G	PRESSURE TAP GAUGE ON WEST MANWAY	LO	57.63	L	Y	Q	
7303	F	020	2	63	LO DECANT	D-604	V	PRESSURE TAP GAUGE ON WEST MANWAY	LO	57.63	L	Y	Q	
7304	F	021	2	63	LO DECANT	D-604	V	VALVE ON WEST MANWAY	LO	57.63	L	Y	Q	
7305	F	040	2	63	LO DECANT	D-604	MH	WEST MANWAY SOUTH TANK	LO	57.63	L	Y	Q	
7306	F	024	2	63	LO DECANT	D-604	V	TRANSFER LINE VALVE	LO	57.63	L	Y	Q	
7307	F	025	2	63	LO DECANT	D-604	V	TRANSFER LINE VALVE	LO	57.63	L	Y	Q	
7308	F	026	2	63	LO DECANT	D-604	V	TRANSFER LINE VALVE	LO	57.63	L	Y	Q	
7309	F	027	2	63	LO DECANT	D-604	V	TRANSFER LINE VALVE	LO	57.63	L	Y	Q	
7310	F	029	2	63	LO DECANT	D-605	V	CONTAMINATED WATER VALVE	LO	57.63	L	Y	Q	
7311				2	63	LO DECANT	D-605	V	CONTAMINATED WATER VALVE	W	0.20	L	Y	N/A
7312				2	63	LO DECANT	D-604	V	TRANSFER LINE VALVE	W	0.20	L	Y	N/A
7313	F	015	2	63	LO DECANT	D-605	V	TRANSFER LINE VALVE	LO	57.63	L	Y	Q	
7314	F	014	2	63	LO DECANT	D-604	V	BOTTOM OF SIGHT GLASS	LO	57.63	L	Y	Q	
7315	F	016	2	63	LO DECANT	D-605	V	BOTTOM OF SIGHT GLASS	LO	57.63	L	Y	Q	
7316	F	039	2	63	LO DECANT	D-604	MH	NORTH MANWAY SOUTH TANK	LO	57.63	L	Y	Q	
7317	F	011	2	63	LO DECANT	D-604	V	VALVE ON NORTH SIDE MANWAY	LO	57.63	L	Y	Q	
7318	F	018	2	63	LO DECANT	D-604	SG	SIGHT GLASS	LO	57.63	L	Y	Q	
7319	F	012	2	63	LO DECANT	D-604	V	TOP OF SIGHT GLASS	LO	57.63	L	Y	Q	
7320	F	013	2	63	LO DECANT	D-604	V	TOP OF SIGHT GLASS	LO	57.63	L	Y	Q	
7321	F	010	2	63	LO DECANT	D-604	V	VALVE TOP NORTH SIDE OF TANK	LO	57.63	L	Y	Q	
7322	F	030	2	63	LO DECANT	D-604	V	INLET VALVES	LO	57.63	L	Y	Q	
7325	F	023	2	63	LO DECANT	D-605	V	VALVE TOP NORTH SIDE OF TANK	LO	57.63	L	Y	Q	
7326	F	042	2	63	LO DECANT	D-605	MH	NORTH MANWAY NORTH TANK	LO	57.63	L	Y	Q	
7327	F	043	2	63	LO DECANT	D-605	MH	WEST MANWAY NORTH TANK	LO	57.63	L	Y	Q	
7328	F	008	2	63	LO DECANT	D-605	V	DRAIN VALVE	LO	57.63	L	Y	Q	
7329	F	009	2	63	LO DECANT	D-605	V	DRAIN VALVE	LO	57.63	L	Y	Q	
7330	F	032	2	63	LO DECANT	D-605	V	TRANSFER LINE VALVE	LO	57.63	L	Y	Q	
7331	F	033	2	63	LO DECANT	D-605	V	TRANSFER LINE VALVE	LO	57.63	L	Y	Q	
7332	F	034	2	63	LO DECANT	D-605	V	TRANSFER LINE VALVE	LO	57.63	L	Y	Q	
7333	F	035	2	63	LO DECANT	D-605	V	TRANSFER LINE VALVE	LO	57.63	L	Y	Q	
7334	F	036	2	63	LO DECANT	D-605	V	CONTAMINATED WATER LINE	LO	57.63	L	Y	Q	
7335	F	111	2	63	LO DECANT	D-604/60	V	CONTAMINATED WATER LINE	W	0.20	L	Y	N/A	
7336	F	004	2	63	LO DECANT	D-605	V	MAKEUP/DRAIN FOR SEP. LEVEL CONTROLS	LO	57.63	L	Y	Q	
7337	F	005	2	63	LO DECANT	D-605	V	BOTTOM OF SIGHT GLASS	LO	57.63	L	Y	Q	
7338	F	005	2	63	LO DECANT	D-605	V	BOTTOM OF SIGHT GLASS	LO	57.63	L	Y	Q	
7339	F	044	2	63	LO DECANT	D-605	MH	SOUTH MANWAY NORTH TANK	LO	57.63	L	Y	Q	
7340	F	003	2	63	LO DECANT	D-605	SG	SIGHT GLASS	LO	57.63	L	Y	Q	
7341	F	001	2	63	LO DECANT	D-605	V	TOP OF SIGHT GLASS	LO	57.63	L	Y	Q	
7342	F	002	2	63	LO DECANT	D-605	V	TOP OF SIGHT GLASS	LO	57.63	L	Y	Q	
7343	F	037	2	63	LO DECANT	D-605	V	INLET VALVES	LO	57.63	L	Y	Q	
7344	F	007	2	63	LO DECANT	D-605	V	VALVE TOP SOUTH SIDE OF TANK	LO	57.63	L	Y	Q	
7350	E	287	2	63	LO DECANT	D-604	VT	RELIEF VALVE	LO	57.63	L	N	A	
7351	E	288	2	63	LO DECANT	D-604	V	EMERGENCY VENT LINE CLEANOUT	LO	57.63	G	Y	Q	
7352	E	279	2	63	LO DECANT	D-604	V	EMERGENCY VENT LINE CLEANOUT BACKUP	LO	57.63	G	Y	Q	
7353	E	279	2	63	LO DECANT	D-604	V	VENT SYSTEM BLOCKING VALVE	LO	57.63	G	Y	Q	
7354	E	291	2	63	LO DECANT	D-604	V	EMERGENCY VENT LINE CLEANOUT	LO	57.63	G	Y	Q	
7360	E	535	2	63	DECANTERS	D-605	V	RELIEF VALVE LINE CLEANOUT	LO	57.63	G	Y	Q	
7361	E	280	2	63	LO DECANT	D-605	V	VENT SYSTEM BLOCKING VALVE	LO	57.63	G	Y	Q	
7362	E	536	2	63	DECANTERS	D-605	V	RELIEF VALVE LINE CLEANOUT	LO	57.63	G	Y	Q	

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ADDED 12-95

7363	E	281	2	63	LO DECANT	D-605	V	CLEANOUT VALVE BEFORE RELIEF VALVE	TOP VENT #5	LO	57.63	G	Y	Q
7364	E	282	2	63	LO DECANT	D-605	V	CLEANOUT VALVE BEFORE RELIEF VALVE	TOP VENT #5	LO	57.63	G	Y	Q
7365	E	283	2	63	LO DECANT	D-605	VT	RELIEF VALVE	TOP VENT #5	LO	57.63	G	Y	Q
7366	E	285	2	63	LO DECANT	D-605	V	CLEANOUT VALVE AFTER RELIEF VALVE	TOP VENT #5	LO	57.63	G	Y	Q
7370			2	63	LO DECANT	D-604/60	V	MAKEUP/DRAIN FOR SEP. LEVEL CONTROLS	LEVEL CONTR	LO	57.63	G	Y	Q
7371			2	63	LO DECANT	D-604/60	V	MAKEUP/DRAIN FOR SEP. LEVEL CONTROLS	LEVEL CONTR	LO	57.63	G	Y	Q
7372			2	63	LO DECANT	D-604/60	V	MAKEUP/DRAIN FOR SEP. LEVEL CONTROLS	LEVEL CONTR	LO	57.63	G	Y	Q
7373	F	120	2	63	LO DECANT	D-604/60	V	MAKEUP/DRAIN FOR SEP. LEVEL CONTROLS	LEVEL CONTR	LOW	57.63	L	Y	Q
7374	F	121	2	63	LO DECANT	D-604/60	V	MAKEUP/DRAIN FOR SEP. LEVEL CONTROLS	LEVEL CONTR	LOW	57.63	L	Y	Q
7375	F	129	2	63	LO DECANT	D-604/60	V	MAKEUP/DRAIN FOR SEP. LEVEL CONTROLS	LEVEL CONTR	LOW	57.63	L	Y	Q
7376	F	122	2	63	LO DECANT	D-604/60	V	MAKEUP/DRAIN FOR SEP. LEVEL CONTROLS	LEVEL CONTR	LOW	57.63	L	Y	Q
7377	F	123	2	63	LO DECANT	D-604/60	V	MAKEUP/DRAIN FOR SEP. LEVEL CONTROLS	LEVEL CONTR	LOW	57.63	L	Y	Q
7378	F	124	2	63	LO DECANT	D-604/60	V	MAKEUP/DRAIN FOR SEP. LEVEL CONTROLS	LEVEL CONTR	LOW	57.63	L	Y	Q
7379	F	125	2	63	LO DECANT	D-604/60	V	MAKEUP/DRAIN FOR SEP. LEVEL CONTROLS	LEVEL CONTR	LOW	57.63	L	Y	Q
7380	F	126	2	63	LO DECANT	D-604/60	V	MAKEUP/DRAIN FOR SEP. LEVEL CONTROLS	LEVEL CONTR	LOW	57.63	L	Y	Q
7381	F	127	2	63	LO DECANT	D-604/60	V	MAKEUP/DRAIN FOR SEP. LEVEL CONTROLS	LEVEL CONTR	LOW	57.63	L	Y	Q
7382			2	63	LO DECANT	D-604/60	V	MAKEUP/DRAIN FOR SEP. LEVEL CONTROLS	LEVEL CONTR	LOW	57.63	L	Y	Q
7383	F	128	2	63	LO DECANT	D-604/60	V	MAKEUP/DRAIN FOR SEP. LEVEL CONTROLS	LEVEL CONTR	LOW	57.63	L	Y	Q

7470	F	107	2	64	LO PUMP	ALL 3	V	LO TRANSFER LINE TO DECANTERS	2ND LEVEL DCT	LO	57.63	L	Y	Q	
7471	F	108	2	64	LO PUMP	ALL 3	V	LO TRANSFER LINE TO DECANTERS	2ND LEVEL DCT	LO	57.63	L	Y	Q	
7472	F	114	2	64	LO PUMP	ALL 3	V	LO TRANSFER LINE TO DECANTERS	2ND LEVEL DCT	LO	57.63	L	Y	Q	
7473	F	115	2	64	LO PUMP	ALL 3	V	LO TRANSFER LINE TO DECANTERS	2ND LEVEL DCT	LO	57.63	L	Y	Q	
7474			2	64	LO PUMP	ALL 3	V	LO TRANSFER LINE TO DECANTERS	2ND LEVEL DCT	LO	57.63	L	Y	Q	ADDED 12-95
7475			2	64	LO PUMP	ALL 3	V	LO TRANSFER LINE TO DECANTERS	2ND LEVEL DCT	LO	57.63	L	Y	Q	ADDED 12-95
7476			2	64	LO PUMP	ALL 3	V	LO TRANSFER LINE TO DECANTERS	2ND LEVEL DCT	LO	57.63	L	Y	Q	ADDED 12-95
7478			2	64	LO PUMP	ALL 3	V	LO TRANSFER LINE TO DECANTERS	2ND LEVEL DCT	LO	57.63	L	Y	Q	ADDED 12-95
7479			2	64	LO PUMP	ALL 3	V	LO TRANSFER LINE TO DECANTERS	2ND LEVEL DCT	LO	57.63	L	Y	Q	ADDED 12-95
7480			2	64	LO PUMP	ALL 3	V	LO TRANSFER LINE TO DECANTERS	2ND LEVEL DCT	LO	57.63	L	Y	Q	ADDED 12-95
7481	F	110	2	64	LO PUMP	ALL 3	V	LO TRANSFER LINE TO DECANTERS	2ND LEVEL DCT	LO	57.63	L	N	A	
7482	F	112	2	64	LO PUMP	ALL 3	V	LO TRANSFER LINE TO DECANTERS	2ND LEVEL DCT	LO	57.63	L	Y	Q	
7483	F	113	2	64	LO PUMP	ALL 3	V	LO TRANSFER LINE TO DECANTERS	2ND LEVEL DCT	LO	57.63	L	Y	Q	
0548 DISCHARGE TO CONTROL ROOM #1															
7460	F	105	2	64	LO PUMP	ALL 3	V	LO TRANSFER LINE TO CR #1	2ND LEVEL CR#1	LO	57.63	L	Y	Q	
7461	F	109	2	64	LO PUMP	ALL 3	V	LO TRANSFER LINE TO CR #1 BLOCKING	2ND LEVEL CR#1	LO	57.63	L	Y	Q	
7462	F	117	2	64	LO PUMP	ALL 3	V	LO TRANSFER LINE TO CR #1	2ND LEVEL CR#1	LO	57.63	L	Y	Q	
7463	F	116	2	64	LO PUMP	ALL 3	V	LO TRANSFER LINE TO CR #1	2ND LEVEL CR#1	LO	57.63	L	Y	Q	
7464	F	118	2	64	LO PUMP	ALL 3	V	LO TRANSFER LINE TO CR #1	2ND LEVEL CR#1	LO	57.63	L	Y	Q	
OTHER															
7484	F	111	2	64	LO PUMP	ALL 3	V	LO TRANSFER LINE TO DECANTERS BLOCKING	2ND LEVEL DCT	LO	57.63	L	Y	Q	ADDED 12-95
7405	F	38	2	64	LO PUMP	ALL 3	V	LO TRANSFER LINE INLET	2ND LEVEL	LO	57.63	L	Y	Q	ADDED 12-95

TABLE 66
 REGISTRATION OF COMPONENTS IN BENZENE SERVICE
 LIGHT OIL WASH HEAT EXCHANGER

8000		2	66	COOLER	E-424	V	LO WASH COOLING LOOP CLEANOUT VALVE	HT EXC AREA	LOM	57.63	L	Y	MIU	LO WASH, ADDED 12-95
8001	E 024	2	66	COOLER	E-424	V	LO WASH COOLING LOOP CLEANOUT VALVE	HT EXC AREA	LOM	57.63	L	Y	MIU	LO WASH
8002	D 499	2	66	COOLER	E-424	V	LO WASH COOLING LOOP CLEANOUT VALVE	HT EXC AREA	LOM	57.63	L	Y	MIU	LO WASH
8003		2	66	COOLER	E-424	V	LO WASH COOLING LOOP BLOCKING VALVE	HT EXC AREA	LOM	57.63	L	Y	MIU	LO WASH, ADDED 12-95
8004		2	66	COOLER	E-424	V	LO WASH COOLING LOOP CLEANOUT VALVE	HT EXC AREA	LOM	57.63	L	Y	MIU	LO WASH, ADDED 12-95
8005	D 497	2	66	COOLER	E-424	V	LO WASH COOLING LOOP SUMP LINE BLOCKING VAL	HT EXC AREA	LOM	57.63	L	Y	MIU	LO WASH
8006	D 499	2	66	COOLER	E-424	V	LO WASH COOLING LOOP SUMP LINE BLOCKING VAL	HT EXC AREA	LOM	57.63	L	Y	MIU	LO WASH
8007	E 023	2	66	COOLER	E-424	V	LO WASH COOLING LOOP SUMP VALVE	HT EXC AREA	LOM	57.63	L	Y	MIU	LO WASH
8008	E 022	2	66	COOLER	E-424	G	LO WASH SUMP LINE PRESSURE GAUGE	HT EXC AREA	LOM	57.63	L	Y	MIU	LO WASH
8009	D 496	2	66	COOLER	E-424	V	LO WASH COOLING LOOP CLEANOUT VALVE	HT EXC AREA	LOM	57.63	L	Y	MIU	LO WASH
8010	E 021	2	66	COOLER	E-424	V	LO WAS COOLING LOOP FLOW RESTRICTER	HT EXC AREA	LOM	57.63	L	Y	MIU	LO WASH
8011	E 020	2	66	COOLER	E-424	V	LO WASH COOLING LOOP BLOCKING VALVE	HT EXC AREA	LOM	57.63	L	Y	MIU	LO WASH
8012	E 019	2	66	COOLER	E-424	V	LO WASH COOLING LOOP BLOCKING VALVE	HT EXC AREA	LOM	57.63	L	Y	MIU	LO WASH
8013		2	66	COOLER	E-424	V	LO WASH COOLING LOOP CLEANOUT VALVE	HT EXC AREA	LOM	57.63	L	Y	MIU	LO WASH, ADDED 12-95

TABLE 67
REGISTRATION OF COMPONENTS IN BENZENE SERVICE
LIGHT OIL WASH BLOWDOWN TANK AREA

8100 D	477	2	67	BLOWDOWN	B-426	V	BLOCKING	TANK AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8101		2	67	BLOWDOWN	B-426	V	BLOCKING	TANK AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8102 D	476	2	67	BLOWDOWN	B-426	V	BLOCKING	TANK AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8103 D	461	2	67	BLOWDOWN	B-426	V	BLOCKING	TANK AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8104 D	460	2	67	BLOWDOWN	B-426	V	BLOCKING	TANK AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8105 D	463	2	67	BLOWDOWN	B-426	V	CLEANOUT	TANK AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8106 D	464	2	67	BLOWDOWN	B-426	V	CLEANOUT	TANK AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8107 D	462	2	67	BLOWDOWN	B-426	V	CLEANOUT	TANK AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8108 D	456	2	67	BLOWDOWN	B-426	V	LEVEL CONTROL VALVE	TANK AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8109 D	457	2	67	BLOWDOWN	B-426	V	SG/LC	TANK AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8110 D	458	2	67	BLOWDOWN	B-426	V	SIGHT GLASS DRAIN VALVE	TANK AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8111 E	029	2	67	BLOWDOWN	B-426	V	SIGHT GLASS DRAIN VALVE	TANK AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8125 E	008	2	67	BLOWDOWN	B-426	V	LO WASH RETURN BLOCKING VALVE	TANK AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8126 E	009	2	67	BLOWDOWN	B-426	V	LO RETURN CHECK VALVE	TANK AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8127 E	010	2	67	BLOWDOWN	B-426	V	VALVE TOP BACK LEVEL CONTROL	TANK AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8128 E	011	2	67	BLOWDOWN	B-426	V	VALVE TOP BACK LEVEL CONTROL	TANK AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8129 E	018	2	67	BLOWDOWN	B-426	V	BACK LEVEL CONTROL DRAIN VALVE	TANK AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8130 D	492	2	67	BLOWDOWN	B-426	V	BACK LEVEL CONTROL DRAIN VALVE	TANK AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8131 E	013	2	67	BLOWDOWN	B-426	V	BACK LEVEL CONTROL BOTTOM BLOCKING	TANK AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8132 D	494	2	67	BLOWDOWN	B-426	V	BACKWASH TANK DRAIN CLEANOUT	TANK AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8133 D	491	2	67	BLOWDOWN	B-426	V	BACKWASH TANK DRAIN BLOCKING	TANK AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8134 D	493	2	67	BLOWDOWN	B-426	V	BLOCKING	TANK AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8135 E	428	2	67	BLOWDOWN	B-426	V	BLOWDOWN TANK DRAIN	TANK AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8136 E	387	2	67	BLOWDOWN	B-426	V	BLOWDOWN TANK DRAIN	TANK AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8137 E	386	2	67	BLOWDOWN	B-426	V	BLOWDOWN TANK DRAIN	TANK AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8138 E	429	2	67	BLOWDOWN	B-426	V	BLOWDOWN TANK DRAIN	TANK AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8150 D	439	2	67	BLOWDOWN	B-426	V	LEVEL CONTROL CLEANOUT	TANK AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8151 D	448	2	67	BLOWDOWN	B-426	V	SIGHT GLASS CLEANOUT	TANK AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8152 E	030	2	67	BLOWDOWN	B-426	SG	BLOWDOWN TANK SIGHT GLASS	TANK AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8153 D	447	2	67	BLOWDOWN	B-426	V	TANK BLEED	TANK AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8154 D	446	2	67	BLOWDOWN	B-426	V	MAIN REGENERATOR DRAIN BLOCKING	TANK AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8155 D	445	2	67	BLOWDOWN	B-426	V	TO SIGHT GLASS	TANK AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8156 D	442	2	67	BLOWDOWN	B-426	V	TO LEVEL CONTROL	TANK AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8157 D	440	2	67	BLOWDOWN	B-426	V	BLOCKING TO RECIRCULATION	TANK AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8175 D	436	2	67	BLOWDOWN	B-426	V	BLOCKING TO UNDERFIRE	TANK AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8176 D	437	2	67	BLOWDOWN	B-426	V	THREE WAY VALVE	TANK AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8177 D	441	2	67	BLOWDOWN	B-426	VT	EMERGENCY VENT	TANK AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8178 E	005	2	67	BLOWDOWN	B-426	V	LO WASH VALVE OPEN END FLOW CONTROLLER	TANK AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8179 D	434	2	67	BLOWDOWN	B-426	V	FLOW CONTROL BLOCKING	TANK AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8180 E	004	2	67	BLOWDOWN	B-426	V	LO WASH VALVE OPEN END FLOW CONTROLLER	TANK AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8181 D	435	2	67	BLOWDOWN	B-426	V	FLOW CONTROL BLOCKING	TANK AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8182 D	444	2	67	BLOWDOWN	B-426	V	BLOCKING	TANK AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8183 E	006	2	67	BLOWDOWN	B-426	VT	LO WASH VALVE	TANK AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8184 D	443	2	67	BLOWDOWN	B-426	V	EMERGENCY VENT	TANK AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8185 D	433	2	67	BLOWDOWN	B-426	V	MAIN REGENERATOR RETURN BLOCKING	TANK AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8186 D	432	2	67	BLOWDOWN	B-426	V	MAIN REGENERATOR RETURN CHECK	TANK AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8187 E	002	2	67	BLOWDOWN	B-426	V	LO WASH VALVE OLD LPO OUT OF SERVICE	TANK AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8188 E	003	2	67	BLOWDOWN	B-426	V	LO WASH VALVE OLD LPO FLOW CONTROLLER	TANK AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM

TABLE 68
 REGISTRATION OF COMPONENTS IN BENZENE SERVICE
 LIGHT OIL WASH BLOWDOWN PUMPS

8200 D	473	2	68	BLOWDOWN	B-426	V	CLEANOUT	PUMP AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8201 D	474	2	68	BLOWDOWN	B-426	V	BLOCKING	PUMP AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8202 D	465	2	68	BLOWDOWN	B-426	V	CLEANOUT	PUMP AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8203 D	469	2	68	BLOWDOWN	P-426	P	LO TRANSFER PUMP SEAL	PUMP AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8204 D	467	2	68	BLOWDOWN	B-426	V	PRESSURE TAP	PUMP AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8205 D	471	2	68	BLOWDOWN	B-426	G	PRESSURE GAUGE	PUMP AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8206 D	468	2	68	BLOWDOWN	B-426	V	CHECK	PUMP AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8207 D	466	2	68	BLOWDOWN	B-426	V	BLOCKING	PUMP AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8208 D	470	2	68	BLOWDOWN	B-426	V	CHECK	PUMP AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8209 D	481	2	68	BLOWDOWN	B-426	V	CLEANOUT	PUMP AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8215 E	027	2	68	BLOWDOWN	B-426	V	CLEANOUT	PUMP AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8216 D	484	2	68	BLOWDOWN	B-426	V	BLOCKING	PUMP AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8217 D	485	2	68	BLOWDOWN	B-426	V	PRESSURE TAP	PUMP AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8218 D	486	2	68	BLOWDOWN	B-426	G	PRESSURE GAUGE	PUMP AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8219 D	490	2	68	BLOWDOWN	P-426	P	LO TRANSFER PUMP SEAL	PUMP AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8220 D	487	2	68	BLOWDOWN	B-426	V	CHECK	PUMP AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8221 D	488	2	68	BLOWDOWN	B-426	V	BLOCKING	PUMP AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8222 E	028	2	68	BLOWDOWN	D-426	V	BLOCKING	PUMP AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8223 D	483	2	68	BLOWDOWN	B-426	V	BLOCKING	PUMP AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8224 D	451	2	68	BLOWDOWN	REGEN	V	BLOCKING	PUMP AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8225 E	018	2	68	BLOWDOWN	REGEN	V	BLOCKING	PUMP AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8226 E	017	2	68	BLOWDOWN	REGEN	V	CHECK	PUMP AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM
8227 D	449	2	68	BLOWDOWN	REGEN	V	TO MAIN REGENERATOR WASH	PUMP AREA	LOM	57.63	L	Y	MIU	LO WASHBLOWDOWN SYSTEM

